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439

<210> 8851
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097d08a1

<400> 8851

gaaactactg tcaggtggcc aaatccaatc ctgagaagtc tatcccttta actgttctta 60
aaagtgccaa gggcttacca attttaacag atgctaaagc tggtgcactg gtctcttaca 120
aactgggcac tggtttggtt gttgctcgaa gatcagatgg atcatggtct gcaccgtcag 180
caatattctc cctgtgttta ggatgggggtg ctcaaattgg tggatgaactt atggatttta 240
tagttgattt tcgggatatg aaagctgtga agacattctg cagtcatatg cattattctc 300
ttggtgctgg atgtagtgct gcagcagggc ctgttgggag agtgcttgaa gcagatattc 360
gtgctggtga ctgatgctct ggcattgtgtt acacttacag ttgcagtaaa cgtgcatttg 420
tgggagtttc tttggaagga aatatagatg caaccagtat ggatgccaat ttgcgcttat 480
atggcgatac ttacctgacc acatctgata ttttactggg aatggtggac 530

<210> 8852
<211> 590
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097d09a1

<400> 8852

cttgacaatt tattagttgg taaaacacgg aaggaagcat ctcggtatgtt ttttgaaact 60
ctggttctca agaccagga ttatgtccat gtagaacaga caaaaccctt tgcaaatgtc 120
agcataaaac ctgaaatgaa gcttatgcag tcagatttct gaaacctcat gtaggaatga 180
cagatatagt tgtaaagatc cattcggtgg tagtttggct ggtatctgca gggttgggat 240
aatattttca acatttctcc ccgattctag ccatatatgg cttttcattt ataatttttt 300
ggagataggg tttagctgtt cagttttagt ttttgaagtg gcacttgat aataatcatc 360
ctattgatta ttctgggtct taatgtatat atttttgtaa aatgtcacia tctgtaagtt 420

gcagaggcta atttgtatgt cgtttaaacg catccctcct agtaagaatg acattctgct 480
 ttctctaggg atcatattta tgtaacagag agcaccttgt aatttaactg tcagtggaca 540
 ggggcatcat ttctggactt tatttgataa gattaactgc attatccttt 590

<210> 8853
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097d10a1
 <400> 8853

atgggaaagc aacttttggg gaggttttca aggttttctt tgccttaaca attacagcag 60
 ttgggtgtttc ccagagtagt gccttggtc cagatactaa caaggccaaa gattctgcag 120
 cctcaatatt tgaatttctt gacagcaaac cagctattga ctccagcagt gatgagggca 180
 caacattaga cacagtaaaa ggtgaaattg aacttcaaca agtcagcttt tgttaccxaa 240
 caaggcctaa tattcaaatt ttcaaagaca tgtgtctaac catgccaaact ggaaagaccg 300
 ttgccttggg tggagaaagt ggcagtggaa aatcaacagt gatcagcctc ttagagagat 360
 tttaacaacc tgactctgga cgcatactaa ttgatggagt ggatataaaa gaaattcaaa 420
 ctaactggct gaggcagcaa atgg 444

<210> 8854
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097d11a1
 <400> 8854

aaaaaaagag tcaagcggcg agcaatggcg acatcgctgg tgcgatcggg ttttcttcga 60
 agcgccctaa gaggaagcgc tcgtggctcc caggttccga agcgaaactt tgcttctct 120
 ggtcatcacg atgatgcata tgagacggcc aaatgggaga agattacata tctaggcatt 180
 gttagtgcga ctggtttagc cgtttataat ctatcaaagg gccaccaca cttcaaagaa 240
 cctcctgctt acccatattt gcatatccgc aataaggaat tcccctgggg tcccgatgga 300
 ctatttgaaa cgaagcacca tgacgagcat tagtggttta atgaaggtat ttgtggcact 360

ggtagggcatt cgttttgtca atgttcaacg aatagtgata atgatgatta tt 412

<210> 8855
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097d12a1

<400> 8855

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 gtgtgtcact cttctgactt atacaaatgc aaggaataga aattgacaaa agagataaaa 120
 ggatgaagac caggaaaata tcaacaacgt cataactcat aactcgtgta acgccaaaaa 180
 aaaaaaaaaa gcaggattttt atttttatca tcattatcat tgaggcactg atagttattg 240
 attatccaaa gaaggctagt gtttgtctca agccatgctg ggtttttcag gggattaaca 300
 acagcettca cttgcaagta gtttttgaga ctatactctc ctttttctct gccttgacca 360
 ctcactttgt accctccaaa gggaattgca gcatacaatg tgtcaaagca gtttatccac 420
 ac 422

<210> 8856
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097e01a1

<400> 8856

ggcaagaata tcaaattggt ctattgtctt cctcctaate tactacacta ctccacatag 60
 agcccagcct ttcaagccca agcccaagcc caagcccaag cccgttcata aaatactcct 120
 gcagcagcac ccaggaccca gccctctgag tctaatgcct gtccgtctac gcctacagca 180
 tccaacagga ccctgaccaa ctggctgaga cagcactctg cctctctgtg aaccgcaccc 240
 aagccaccaa aaccttcgtg gctaactgca acaaattcag aggcctgaaa cccagagagg 300
 acgtgtcact caaggactgc gccgaggaaa tcagcgacag cgatgaccgg ctgagccgga 360
 cgctgtacga gctcaagcta tgtaaggcta atggcgagga cgtcacgtgg cacattagca 420
 acgtggagac atgggtcaac tctgctttga ccgatgagag cacttgccgc gatggattct 480

acggtgagggc gctgaatggg aagatcaacg actctattat ggctacgatg ct 532

<210> 8857
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097e01d1

<400> 8857

aatcatagaa aaacacaacg tcatatttca catttaagaa gcatgagaag agccatatat 60

ctataaagac tcacatatat aataattaca tggagcacat aaaagaagaa aagtaaagca 120

ttaagcaacc aagatcattg ttcccaacta gtgttgcgca gcatagtggg taataagcga 180

gagagcattg ctagttacct gagcaacatt gagcatccta gccctaatag agtccttgat 240

gttgccattc agcgc 255

<210> 8858
<211> 592
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097e02a1

<400> 8858

tgttcttgca agagtaacag agaggagggtg gacaaacaaa gctataattt ttagaggggt 60

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gctgagagct gaagaggaga tgggggggtgg aaatcaagag gcagtgaagc agctgcagac 180

cctgatggaa aatgtggatg atgagcagct gaagaacaca ttccagatta tgcaccaggg 240

ttatcaaact gaaacgttaa tacgggttct caaagctagg gactggaata ttgccaaagc 300

ccataaaatg ttaattgatt gtttgaactg gaggggtggaa aatgagattg acaatgtttt 360

aaggaagcct atccccatgg atttgtacag agccatacgg gattctcaac tcataggaat 420

gtctggttac tcaaaggagg gtctacctgt cattgctgtt ggtgttggtc tcagtacata 480

tgataaagca tctgacaaat actatataca atcacacatc ccactaaatg aatatagggg 540

tcaagtgatc ttgccaacag ctacaaggaa catggacgat acattggcac ct 592

<210> 8859

<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097e02d1

<400> 8859

ggggaaaaat tctggatggg gttgatgtaa acattacaat attacattta ataaccggct 60
ataagtttga cctcacaagc aaaacccttc taattagaaa gggatcatat tgttatcaac 120
aaataaaaagt ggctcaggac aggccaaaaa acacagttac tagtagcttt agtagcatag 180
ctttcaatgg ccattaactt taagaccatt tagtgagggtg ggaaagccat tcttttgatt 240
ctccaatttg gggaactcag tttctatggg cttggctatt ttggcatcat ca 292

<210> 8860
<211> 535
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097e04a1

<400> 8860

gttggttgcta tcaagaaaat gaagaagaaa tattactctt gggaggagtg tgtaaacctg 60
agagaagtca agtcattacg aaaaatgaat cacccaaata ttgtgaagct gaaagaagtt 120
attcgagaaa gtgatatctt gtactttgtt tttgagtaca tggaatgcaa cctataccaa 180
ctcatgaaag acagggaaaa actatcttct gaagctgaag ttagaaattg gtgttttcaa 240
gtttttcaag gtcttgctta catgcaccag cgtggatact tccatcgtga cctgaagcct 300
gaaaacttgc tggttaccaa ggatttcac aaatcgctg attttggact agcccgagaa 360
atcagttcac aaccacccta cactgagtat gtctccacac gatggtatcg tgctcctgaa 420
gtgctgcttc agtcttatat gtatacctct aaagttgata tgtgggcaat ggggtgctata 480
atggctgagc ttttctctct tcgtcctctt ttccagggtg ccagttgagc ggatg 535

<210> 8861
<211> 421
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097e04d1

0631

<400> 8862

<210>	8863
<211>	354
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220097e06d1

<400> 8863

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 attcattgca tgatacaaat tgtagcttg ctgaattgta tcgaatcatg cattctaaca 120
 actatgaaag agttttacaaa cctacacgat agccacactg gtcaatttgg tgattttcca 180
 gctgaaatth caagtttttc ccccaaaagg ggaagtttat gcttaaatta tgtaagatth 240
 aaacctactt ggaccaaatt cttggtcagg aagagatagc agaagtgact tttattttgg 300
 gattagaaca gaatgactta cacctccaga gtagcagcag atgcacaatg aaaa 354

<210> 8864

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097e08a1

<400> 8864

aacaaatact aaatgctgct atcacaattc acaagaaaat gtgttttgga atggcaaggg 60
 gggtgtcagt tcatcatata tatgggcaat accgtgtggc tgcacattt tattaatgat 120
 catcatgatc atcgatcaag gatatgacga actccctcct atccgattgg gcctttcatc 180
 tgtacctaca gcaagaggct gctgcttctt catctaatta tcatcatgat gatgatcatc 240
 atgatgctga tctcaaaacg gcatccagca ccaacatata tgctactcta catgctgacc 300
 tccaagacta ccatgctatc ttttaagacca accttaatct cgcattgact gatcgcgcta 360
 tgactcgggg atctctgggc acatcttcaa acccttacag tggaccacaa gcctttaatt 420
 atcctgaagt tgcacgcacat gctaccttaa aaggatctgg tccttttgga aatgatgatc 480
 cctctaactt aca 493

<210> 8865

<211> 451

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097e09a1

<400> 8865

cactagattc atgctatattt ctccaccggc tctgctcaag cctcaccaag taccggttac 60
 cactccattt cctcttactc aaacccatca cacagtatca agaaacaaga ggggtgcacag 120
 caccagcaga ttcggaact ttcttgactg caaaccgag aacaaaccg gacccctaga 180
 ttttgacctt ccatgggtgcc acccttctga ccgcaatcgt tatgatgtga tcatcattgg 240
 ggctggccct gcaggcacia ggctcgccgg gcaagtgtcc ctctatggag ttaaagattg 300
 ttgcgttgat cctgaccctc tctctgtgtg gcctaacaac tatgggtgtgt ggagagatga 360
 gttggacagc cttgggtcttg aggatcgctt ggacaaaaca tggcccatgg ctcgtgttca 420
 tgcggatgat ggcaagacca agtgtttgga t 451

<210> 8866
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097e11a1

<400> 8866

cttgaataaa ccgaaccgtt cttcgattcg ggttcaagtt cgaagaagaa aagcgatgag 60
 ttcgggtagt agcagcagcc acagcagtga gaaggagaag gagaagcaga gagtgagtcg 120
 cacgtcgctg atactctggc acgcgcacca aaacgcagcc gcagctgtgc ggaagctcct 180
 ccaggaggat ccctcgctcg tcaaggccag agactacgac aaccgcacgc cgctccacgt 240
 ggcgtcgctc cacggctgga tcgacgtcgc cacctgtctc atcgagttcg gcgccgacgt 300
 caacgcgcaa gatcgctgga aaaacacccc tctggcggat gcggagggag ctaagaagag 360
 taatgtgatc gagcttttgc aatcgcatgg tggcttgtct tttgggcaaa atggaagcca 420
 tt 422

<210> 8867
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097f01a1

<400> 8867

agcccctaatt ctatgtatct atctatcttc aatactacta cccttctgtc tctctgtaca 60

cagacaccaa caacaaatag cacacacaat gaaagaagaa acatggaaac tccacgcatc 120
catcatgcc a tcaaaaccaa agagtccaca ccaccaacc caaccctctt tctctctcat 180
caatggccca gctggaccaa aatttatgta gaagaacgaa aaacagaact gaaacaaaga 240
aggaaagaac gaatgggaaa acaaagaaga aagagaagtt ggatgtgttc aaatgtcctc 300
caaccaaacc cacettacat ttctctctct ctcataaaaa ctatgttccg cgaattgccc 360
ttctgcaagc cccccaaaaa tcccatcttc atcactgggtg tttcagaaga acaatatctt 420
tcaccgagtt atgtgggctc ttcggatttc tttgtctcgg tcagagtctt ctcacagaga 480
aaacaggaaa gcgagaacct tcttaccctc tcacctcttc tctctttctt gg 532

<210> 8868
<211> 313
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220097f01d1
<400> 8868

cggttaaaag ataactccct tatgatacga tcactcttaa ttactacagg gacacatctt 60
tacaatttct aacgcgggaa aatgcttaca acatcattga actgcctgag gccagttct 120
ttgcatccat ttcccttgat tgatatccag atctacgcg aactggatgc attttcagaa 180
taactctctt aactacacat caaggcaaac gcgtgctata tacagcatta tttacaagcc 240
gatacta atg tagtgctaca ctgatgtcca cgctggagac tataggotta cattccaaca 300
ttccctcttt tgg 313

<210> 8869
<211> 359
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220097f02a1
<400> 8869

gcaatgcgga tattttcacg taccacgagc atctcgctcg tgacacaagc actttcgctc 60
cgattgcac ttgagagaag gaggcttctg agctgtatat aaaggcgtca taccaccatt 120
acgcgaggtc ctgttgcatg tccactgaag caccattaa tgaacttact cccgcaggat 180

gagatcgtca gattggaagg ctgcaaagac atatcaagat agtaaagtca tttataatgg 300
 taggggttgaa gggtttaatt ctggaggcct gctgggtcgg ttttattctg ttatgggctt 360
 tctcccatc ccacaattga gtccagtgc tgcctctaaa gaaccagaga aatctatcca 420
 agaaattgca caaggcttaa ttgggttcaat catgtcgggtg aanggtattc tagcagatga 480
 ggataac 487

<210> 8872
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097f04d1

<400> 8872

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 gatacctctg attctttctt tgcttagaat tccacagaat atggagactg ttcttttcaa 120
 tcactcccca cctttggaat tcaagggttt gagcaaggag gaggaagact cattgctagg 180
 gcaagtggaa atatggaggt acatgacatg cttcacggac tccgtggcct tgaaagctgt 240
 catagagctt cgtatagcgg acatactaga ccgttatggt aaaccactat ccttgctgca 300
 aattgtggag aacatagaag acgcaccctc cccagatgcc tctcttctcc agagagtcct 360
 gagagtgatg gtgcgcagaa agatcttcag tgcacaagaa tcagagacag gagaaaccct 420
 ctteggcttg acacgagcct cgaagtggat ccttcgcgac acgaaaatg 469

<210> 8873
 <211> 599
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097f05a1

<400> 8873

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 cactctccga gagcattttg tgcactactg ggttgaaaat gtatttggtg gagagcaaag 120
 gaggtgccat aacatgcatg ttcttggtc tttcttctt ggggacatgg cctgctcttt 180
 tgactatggt agaaaggcgt ggtcgtcttc ctcagcatac ctaccttgat tactcaatca 240

ccaatttctt gtctgcttta ctcatgtctt ttacacttgg tgggataggc aagggcactc 300
 atgatcagcc aaatttctta gttcaacttg ctccaggataa ttggccctcc gttctttttg 360
 caatgggggg tggctctgtt ctttagccttg ggaatctgtc aagccaatat gcatttgctt 420
 ttgttgggct atctgttact gaagtgatca cggcaagcat aactgttggt ataggcacia 480
 ccttgaatta ctttttggat gacaaaatca acaaagctga gatccttttc caggagtgtg 540
 ttgctttttg attgcagttt ttaggctctg ctgtcatcat caatgctgtg atataaagc 599

<210> 8874
 <211> 670
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220097f05d1
 <400> 8874

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 caaatagtagc aaaatgcaaa ttcaatatgt taactactga aaanntatat aaganagcgg 120
 gtttcgttgt gcaagacnga nnaaggaata cgaacgggag cgcggaanaac ggaacgagcg 180
 acagccgagn cgggacggac ggaagaggaa cccgaacgaa aagccaagcc tggaggaacc 240
 aagagggggc gaagccgaag cattaccaa aactaacaca aaacagacaa aggaggagcc 300
 gaagcctcct acacaagaaa ctttgccagc tcagaaagaa tccaaaaaca aggggagggg 360
 tatgaaatcc aacaccgaga gagccagggt ggatgcagaa atcagatgaa tagaatgtac 420
 tacataccac aaaaggaggc ccctgccaaa gagagtgaac acacaccaac aatgttaaata 480
 gaggggaaaa gagaggagga gaatgcaaag gcaaagcaag ccttggaag aaagaagaaa 540
 gttagcagca gaaaagctgc agccaaagca gccatcagag cacaaaagga agctgagaag 600
 aagcttaaag accgtgagaa gaaagccaag aagaaatcag gtgctgcagc aggggccaac 660
 cctgaggatg 670

<210> 8875
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097f06a1

<400> 8875
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 ttccaacgca gtaaaacctt actccgagcc tccaccgtcg aatccccaac cccaaaacgc 120
 cgcgggcagaa agaaaaaacc cgaaacacaa accccctcaa acaacacccc tcccccccaa 180
 aacgcagaca acaaaacaga agaagacgag ctccacgact acgacgacgg cgtggacttc 240
 ccctactcgg accctccctt aatatgctgc ttcggttgg cgcggaagga gttcgtccct 300
 gcggtgcggg tgcaggacta cccgatgcac ccggacatct actccgagtg gaagatgctg 360
 cagtgggaagc cccccgagtt cgcacgtgcg ccggggcgcc cgccgtccaa cgtggccgtg 420
 gcgcacgcgc gcctcggggg gcggggcgcg ttcttgggga aggtcgggga cgacgagttt 480
 ggagaggaga tgggtgctgat gatgaacgag gagagggttc agacgag 527

<210> 8876
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220097f06d1

<400> 8876
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 gtccataaaa ctaaagcaga gggggaacat tggggagggg aagagtttta caaatccaaa 120
 ctgcaccccc attacaagaa tgggggtccat ctgaattttc cctacaaaat tttcaattga 180
 catccgcctc ctgttcatac atgcatgagt gggggccaaa cgaaacaccc aaacaatttt 240
 ggcaatcgga tgggggttcac ctgcccccat tttatatcaa acacttgcag agaagttcca 300
 aataaataat ca 312

<210> 8877
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220097f07a1

<400> 8877
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agtattattc aatatttttg ttgggttgaa tcccgggggt gaagcgttgc agacatcacg 120
 gctattctaa gagtgtctcg ctccctcatt catgtccgat ctgtacgacg gaggacgggt 180
 agttgcgtaa ctgccgttaa cccttcgccg cacgggtgggc gtggtgcttt gccttctgaa 240
 ggtggtagcc cttcagactt gctcttcttc gctgggtggtg gtttcttcta gtttcttcac 300
 tcttttcatt acttttagcc tgcatagttt taaataagaa aaaaaaaca gcgactttgt 360
 gactagttaa gatcaccgct tcttcttctt cttcttcttc ttcttcttct actactacta 420
 ctactacttt tccttcacaa aatgatgctc agaatcaaga gggttcccac tggcgtttca 480
 actaccaaaa agacgacgct 500

<210> 8878
 <211> 589
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220097f08a1

 <400> 8878

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 gtttccatga caatggaatc tgcgcttaca gcttctaact ggaaccgttc tttgattcgg 120
 attcgccaca ctaagccacg cttcgggtgca attcgcccca cagcaatacg gtgctccatc 180
 aactcgtatc gcttgtccaa cctcactccc tctgagcttc agagcctcaa gagccgaccc 240
 cgcatcgatt tctcttccat tttcgggtgtt gttaatccta ttgtcgatga tgttcacaaa 300
 agaggggatg ctgcggttaa agaatacact tcaaagtttg ataaagttga attggataag 360
 atagttgagg ttgtctcgga gctccctgac cctgtgcttg aaccgcctat taaggaagct 420
 tttgatgtcg cctatgataa tatttatgca tttcatgctg ctcagaagtc atccgagaaa 480
 agtgttgaga acatgaaagg agtccaatgn cagagagttg caagaagtat taactctgtg 540
 ggtctttatg ttccaggggg aactgctgta taccttcaca gctttgatg 589

<210> 8879
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097f09a1

<400> 8879

aggtgacgct catgtctata atctttcagg atatcttcca atatccattt ctttttttatt 60
gattgtcttt caatcatgat gcaatgcttc tttaaaaatt gatgcattta ttatttttggc 120
ttcctctcac aaccaattc tgattatcct cttgcgtgtg gaatagattg atctcccctt 180
tattctgttc tttggttccc aacaagtcaa agtcttcttc agcttctttg tggcgaaaaa 240
caacacaaaag gggattcaat ttcaaattca agttctgatt cctgtgttga gtgccttaca 300
caggtctagg tttggctttg gcatcttaaa agggacataa agcataccat agttccgttg 360
gctggttatg gattgggatg tgaaagagtt tgctcgggat ccacctgggt tgcagctgtc 420
tactggtgaa tgccaaaaga gtgaaccatc tgtcaaggac tcgaggcttg gtgaggaaag 480
aacagcccca gatgttgatg cttagacac aa 512

<210> 8880

<211> 338

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097f10a1

<400> 8880

gaaccaaata ataactaaga tacaaactac agtagttaga tagcattgtc acaacaacag 60
ttggactcct gtacctcctt actttgctta cctaaatctt ctcaacgaac aaagcaaaac 120
actaagttag accttttgtt cacaatgtat ttacaaatgt caccaggaaa ataaaaggat 180
acttactgac aaccattttg cagtctacaa aagtataact agatactaat agcagttatc 240
ctggaggttag ctacaaatat ttaactagct taccttcttt gaaaagtatt gttgcactga 300
gaaaagtgtg tttgaggatc aactccagtg aaaccctg 338

<210> 8881

<211> 84

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097f11a1

<400> 8881

aagaaataga aaaaaaata aaaatataaa acgaaatata ataaagaaaa taataaaaaa 60
 aaaaaaata taaatatata aaaa 84

<210> 8882
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097g01a1
 <400> 8882

ctgttttttg ctgtttcttca gccctgggag atgaccacac taagccatta cgcacgagg 60
 cccacgccc aactttaacc gatggaacat ctgctaattgc tattattgga acggctaattg 120
 atcactttga cgccgggtga gccgctcgac aagcacagtg aggagcttgt ccactagca 180
 acttgatatg acgcatgcac atgcgaacac tccactacga ccgaagcattc attgcttgcc 240
 ggaccgactc tggactatgc agcctggccc taccgaccg atggtgtcgc agcaacccat 300
 gcgagacggt cttctgaacc gactgtaccg gac 333

<210> 8883
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097g01d1
 <400> 8883

gggcccgaat ccaatttccg gccattacct ttcattagga tcttaacctc atcagtattt 60
 tttaccggcg tccttccctt tcgatttcgg gcataattaa cattcacagg agaacttta 120
 acatcaagca gaagcatttc tgcttagcct ctccaatttc acgttacaag tttttcacia 180
 gtactactaa tccagctatg tagaaaatgt ttaattacaa cccaaagccg aagaagaaga 240
 aaaagacttt tacaatataa ctagaatgac caggcacaag aaagactatt cttcttcttt 300
 tgcttcttct taagaggagg atgagaagggt gtcaatgat 339

<210> 8884
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097g02a1

<400> 8884

ctgctgcaat aaaggatcgc tcaattgact ttggcgactt gtttaagggc ccaactgtcag 60
 ggaagtctat caagctttta gggtttgttg cctggcaag gctcggacag tacatacccc 120
 tacgtggatt taatagcgag gctttcgttg gaacatatgg accataacag tttattaagc 180
 actttgcact cgatgaacgg caggaggtagc tggctgacta ggagtgtgct acattggtat 240
 tgtactgttc ataaatgcac agattgcttt ccagctactt gcacacgtat atacc 295

<210> 8885

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097g02d1

<400> 8885

tcagcgggcg ccctttcctt tttattctaa ttgccttttt tgcttttgtg gccggcatac 60
 aggggaaaat tatttactac atccaccaat agaacacaaa cagaactctc cataacggga 120
 caattaccat cgagccaaac ccgactcata ctaaaagggtg gttacaaacc cattacacgt 180
 gacatttgtt agtaaaaaga tagggaaaaa ccaacatggg aacatgagac ggaagatgct 240
 attcaaaactt aaaccctcgc cgaaaaccct acaccaaacg caaagtagaa ttcttgggca 300
 ttgagatacg ctggagggac cgttcataac 330

<210> 8886

<211> 593

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097g03a1

<400> 8886

ggagcttaca agagtgcagg caaaggactg agcaactggg ataactacac tcacggacca 60
 ggtagaagtg taataatgga tggaagcaat ggggatatcg cgattgatca ttatcatcgc 120
 tacctggagg atatagattt aatggaaact ttgggagtaa acagctaccg gctatccctg 180
 tcatgggcaa gaattctacc aaagggtaga ttcggagagc ccaaccatgc tggatcgcag 240

ttctataaca gactaattga tgttctacta ctcaaaggga tccaaccctt tgtaactctt 300
 agtcactatg acattcccca agagcttgaa gacagatacg ggagttggct aagtccccag 360
 ttacaggaag attttgcttt ttatgctggac ctatgtttta aaacctttgg tgacagagtt 420
 aagtactggg tcacattcaa tgagccgaat ttcctagtgt cacttgggta ccgctctggt 480
 ttatatcctc catgccgttg ctctggccaa ttagcaatgg ctaaatagcag tgaaggagac 540
 tcagaaagga gccctttggt gcagctcata atgtatcctg tcacatgcag ctg 593

<210> 8887
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220097g03d1
 <400> 8887

ctttctttct gtaactaacc ccaatcatca actcagtcag cgaatgaatc tgtggacgga 60
 cgagaactcc tcggtgatgg aggccttcat gccatcctcc gatctctcct ccactctggcc 120
 cctccccgt cctccgcagc cgcaatccac ggcggtcttc aatcaggaca cctccagca 180
 ccgcctccag gccttaatcg agggcgcccg agagacctgg acctaogcca tcttctggca 240
 gtctctttac gactattccg gctccactct cctcggttgg ggcgacggtt actacaaagg 300
 cgacgacgac aaagccaagg caaaggccaa gtccaaagcc acctccgccg ccgagcagga 360
 ccaccgcaaa aaggttctcc gggaacttaa ctccctcatc tncggctcct cctccgcttn 420
 cgcttncgac gacgtcgacg aggaagtcac cgacaccgag tggttcttcc tcgtctccat 480
 gacgcagtcc ttcgtcaacg 500

<210> 8888
 <211> 319
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097g04a1
 <400> 8888

acgcaccgtt gggtagagtct gtgagagact tggagctggt tggtcattac tctgttatgc 60
 tgggtccttc cttcataaaa ggatggggtc catccctcac tgggaccctc cgatcgagggc 120

ccgacgcgag cctcttcacg ctctgccct tctggagctc gcgcaacgct actcaaaggt 300
 ccacaaaaac ggtgtcgtcc gtcgccaggt cgctgctccg tccgcgccgg aaactccgcc 360
 tcgatccttc cagttacctc tattttccat atgaaccggg aaagcaggtg aggagcgcgg 420
 ttcggttgaa aaacactagc aagtctcacg ttgctttcaa gttccaaacg acggcgccaa 480
 agagttgtta catgcggcct ncnngtggtta ctcttgctcc ggga 524

<210> 8891
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097g05d1
 <400> 8891

gattctaata aacatacttt ttgaggaaac attttaacta tggggggaat ttgggaaaat 60
 aaaaccagca ggaaaaggga gtgcaaggtc taataacaaa tataacaaag tgataaactg 120
 ataatacata aacacctaaa catattgtgt gcccttttct acagcgaaac atcctaaaga 180
 tacgtctacc aaaaaagag ttgtaacata atactatccc caaatcacag gaaagataca 240
 tccccctcaa taagcccggtg cgaacaggaa aaattttgtg aactgtcatg ggtaattttc 300
 agtgtcagtt cgacatctat gttgtgtgct tgtctagatg ccctcgctta tttttacgtt 360
 ttgcatagaa gattgatcca tctggaacag gtttattcaa ctttttgcta cagaaaacag 420
 ctgaaaacac tctaccc 437

<210> 8892
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097g06a1
 <400> 8892

cgcgccaccc accacctctg ttcatactt gagccacctg gttaacaccg gtgttctcgg 60
 gagcaaacc actgtgagag ttttcaccaa agccaatccc aatttctctc tcaccattcg 120
 tggcggccaa gtcattctcg ctccctccga tcccaccaat gaggaccagc attggtataa 180
 ggatgagaag tacagcacta ggggtgaagga tgaagagggg tgcctgctt tctctttgat 240

caacaaggcc actggtgaag ccttgaagca ctccatcggt gccactcatc ctgttcggct 300
 gataccttac aagcccgact atcttgatga gtctattcta tggactgaaa gccgtgactt 360
 aggagatggc cacagagcta taaggatggg caacaatggt catcttaatg tggatgcttt 420
 tcacggtgac aagaattctg gaggtgttcg tgatggcact acaataatcc tctgggactg 480
 gaacaaaggt gataaccagc agtggaagat cttaccttac tgatttcaat tgacgaaatt 540
 atcaatg 547

<210> 8893
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097g06d1

<400> 8893

agggggtcac actgaatcat attaagaaat aagggcatac atgaactggt taccaatata 60
 tttatgggaa tcggcacatt aaccaggggc acatgtttgc aataaatatt acataaaacg 120
 cacttaattt attgaaaaaa gccgattggg tggtaacaagc aaatgcacta cacaccattc 180
 catacttttag ggaacaccaa accactcaaa tacaagggcc aactattctt ttaacttgat 240
 gcatttttaa agccattgaa aatttcttta attgaaatca gtaagggaag aacttcact 300
 ggtgggtatc acctttgtta cagtcccaaa agactatt 338

<210> 8894
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097g07a1

<400> 8894

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 gacttcttct tccgcactaa tacgaaacca gagggaattc aaaaagagg ttaccatgtc 120
 ggacgatgag agagaggaga aggagttgga tctcacttct ccggaagttg tcaccaagta 180
 caagagcgcc gcggagattg ttaacagggc ttgagcagta gttatttcag aatgtaaacc 240
 gaaggcaaag attgttgacc ttgagagaa aggggattcg tatattagag agcaaactgg 300

002220"EFFE550

tagcatgtac aagaatgtga agaggaagat agagagaggt gttgccttcc ctacatgtgt 360
gtctgtgaac aacactgtct gtcacttctc tcctcttgcc agtgatgaaa cagtgttgga 420
agatgggtgat atagagaaaa ttgacatggc ttgccatata gatgggttca ttgctgctgt 480
ggcacacact catgttcttc aggagggggc agttacagga cgggcagccg atgctcttgc 540
agaacaaaca ccg 553

<210> 8895
<211> 577
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097g08a1

<400> 8895

ctagtttagt tatctactct tttctgcatg tttgttctct caacgactcc tccgcgaggg 60
agtattattc aatatttttg ttgggttgaa tcccgggggt gaagcgttgc agacatcacg 120
gctattctaa gagtgtctcg ctccctcatt catgtccgat ctgtacgacg gaggacgggt 180
agttgcgtaa ctgccgttaa cccttcgccg cacgggtgggc gtgggtgcttt gccttctgaa 240
ggtggttagcc cttcagactt gctcttcctc gctgggtggtg gtttcttcta gtttcttcac 300
tcttttcatt acttttagcc tgcatagttt taaataagaa aaaaaaaca gcgactttgt 360
gactagttaa gatcacggtt tcttcttctt cttcttcttc ttcttcttct actactacta 420
ctactacttt tcctccacaa aatgatgctc agaatcaaga gggttccac tgctggttcc 480
cactacaaaa gagacgacgc tgcagactct tctcgccgt cggaggttgt ggtcggaatt 540
gcctaaagct tgttgccttc cgatgcaagc tggtttt 577

<210> 8896
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097g09a1

<400> 8896

aggtgaaaaa atgttttaca atagctctgt taaatgttcc aataaacagg gtccttatta 60
ctcaaaattg gaataaaaag ccacatagaa tgcctaagcc cctttgcctt cgccaatttt 120

gcttaaagca aacacccttt tggaacacc aacggatccc cctgggaaca ttttggacaa 180
gtttaattgc 190

<210> 8897
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097g10a1

<400> 8897

ttttactcgt ttttttggat gcatctacat atattgtatg atatacttag gtaacgcatt 60
gcacgagctt ttcaaataatc attttgacat tgcagtgtgc tacctggaat tgtgcaacct 120
cattacatca ataatgcatg cacggtaact gctactacta acaaccaga aacgtcggca 180
ggggctaaaa ggtacaaaca tctggtatac ttgcggagca aaaaaagaag ggggctaaag 240

<210> 8898
<211> 212
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220097g11a1

<400> 8898

ctggaaccaa aaggggaaac cttttttttt ttttataaaa aaaaccacc ctggggcttt 60
ttttgcccc caggtccaaa acgtttccca aaatttttta acaaccccg ggggcacaaa 120
ttgtttttta attaaaaaaa cttccgcaaa ataataaaaa tttttgtttc cccccattt 180
tgtatttttt ttttggaccc cacttcccac ct 212

<210> 8899
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220097h01a1

<400> 8899

ttgagatgct atgagaatcc aactgctgta gagtagaaac acccttgagg gaaagaagca 60

agtgacttgc cacaagaacc ttttaagcaaa tctgcagcag ttggaggatt gagatgctat 120
 gagaatccaa agaataagat tactgcaata cctgctgagg aagaggaaat ctgggggtgca 180
 ttcttcaagg tggaagggtc agcagtcctt gcaggcacag agtaaaagat tcattttcaa 240
 ataaagtacc gtgtgatgta ttaatggagt aatgtgttta tgtgcttgtg acggtaaggc 300
 ttgcatgcgg ggccatgtaa atacctttta tgataactat gagaagaatg tgactggtag 360
 tagagtttat catggtgttc attagctagg attttctctg tttctcttgt acagntgcgc 420
 tttctaattg aataaaagat atgcttttgg tttaaaanaa a 461

<210> 8900
 <211> 293
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097h01d1
 <400> 8900

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttctttg 60
 gaattttgtt ttttttaaaa aaaaaagcta attttcaaca gaacaaagac catgacaatt 120
 tataaaaaca aacaaaatgt tcacatgaag aaccgtaaag gattatgcaa gcacacgcct 180
 gtgaaatata ctgcaaccct acacgaatcc cacaccggcc aattagggga tactccactg 240
 aaaaagaaaa ggaatcccc acaatgggaa aaaaaagcct taattcttct aac 293

<210> 8901
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220097h02d1
 <400> 8901

aaagaacacg tcaacaggag agccatggtg aagatggctc tgggagattg ttaggtgggg 60
 agcgcgctaa gaggaagcgc tcgtggctcc caggttccga agcgaaactt tgcttgctct 120
 ggtcatcacg atgatgcata tgagacgctc aagagggaga agagtacata tgtaggcatt 180
 gataggtgca ctggggttagc cgtttataat ctatgaaagg gccaccccca ctttaaagaa 240
 ctttctggtt acccatatct gcgtattcgc aataa 275

<400> 8902

<210>	8903
<211>	542
<212>	DNA
<213>	Glycine max

<400> 8903

<210>	8904
<211>	544
<212>	DNA
<213>	Glycine max

40:25

<400> 8904

gttgaaagct gacatatttt ccttcaaaag atcctttggc actttcaa at ggaggatgtt 60
 gatgacaagc tgccactgcc agaaccctct tcagtaagt ctgaattgaa gccacaggca 120
 gaaaccactg aagaaaatcc tgaagtata aaccacacca gtagtcagtc tttgttgaa 180
 gctcctatca accaaattaa taataataat aatagaatgg attctggcac tcatttgcca 240
 gtaaccgagt tctctgactt aggagtgtcc ctaa atgtt ttgatggagc agaacaaaac 300
 caccagggag ccacagttgc agattccgaa cgagggcctt cggaagaaga tatctttaac 360
 aggcagcagg atgggtgtttc tactgccact gctagtgggtg atgttgataa tccgatgaat 420
 ctctcaactt cctcttctga aagaaaagat ttgcagacca gcctcataga actaataaca 480
 gaaccacctc aattaagctt actgatgttc ccgagataat tcagcttcac ttccaacatt 540
 acag 544

<210> 8905

<211> 558

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220097h05a1

<400> 8905

ggcggacacg gcagtatgat tattaccaga gggttttgaa tgggatattg tgaaatagtt 60
 tgtcaatggt gatcgtttgc ttgttccctt ttgactaagc ttgcacgggtg attgttcac 120
 aattagtatt ttgcctttac aagtcatttg aagatgggtg gttcactgtg tgttatggct 180
 ttggagtttt ttgagaagt aagaattaa aggtggcagt gtgcattgtc tattctcctg 240
 gagtagtgtg aggaagattc tgactcgcaa aagtacttca acagtctgag gctaaattta 300
 cttgagccga gtctttttga tttttccatc cctgtttctt gtgaatggag ctctgctacc 360
 tggagaaatt gcattagcct cccaaatgct gagttagtgc aaattgtaca gtgattttag 420
 cgggagtacg gaccagattc atgttggctg tgaatatgag tattgtataa actgtttgat 480
 tcatcaaagt cttgggggtg cgatgcactg ctgagcatat actgacatgg taccttcttg 540
 gatatcntgt atcatggg 558

<210> 8906
 <211> 363
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097h05d1

<400> 8906

gccaccaaaa ctttatgata gatatgaagg tgaacaaatt tcaccgtgaa aagtaaacag 60
 gatcgattac acatgatata atcaaacatt ttcaaagaat ttaataaca attttccagt 120
 ttaagcatgg aagaatcaac tttgggaaga cagacaccat agatcagctg agatcagaaa 180
 aaataacaga gcagtttgcc aattctggag gtctgcccac gataacagat atccaagaag 240
 gtaccatgtc agtatatgct cagcagtgca tcgcaacccc aagactttga tgaatcaaac 300
 agtttatata atactcatat tcacagccaa catgaatctg gtccgtactc ccgctaaaat 360
 cac 363

<210> 8907
 <211> 576
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097h06a1

<400> 8907

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 tcttagtgcc tccttgccag aagttaaaat ggccaagaa actttcctat tcacatctga 120
 atcagtgaac gaggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga 180
 tgcagtcttg gagcaggacc ctgacagcaa ggttgccctgt gaaacctgca ccaagaccaa 240
 catggtgatg gttttcggag agatcacaac caaggccaac gtggactatg agaagattgt 300
 gcgtgacaca tgcaggaaca ttggttttgt ctctgatgat gttggtcttg atgctgacaa 360
 ctgcaaggtc ctctgcaaca ttgagcaaca gagtctctgat attgctcaag gtgtgcacgg 420
 ccacctcaca aagaggcctg aggagattgg tgctgggtgac caaggtcata tgttcggcta 480
 tgccactgac gagactcccc agctcatgcc cttgagccat gtccctgcca cgaagctcgg 540
 tgccaagctc accgatggtt cgaagacggg acatgc 576

<210> 8908
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097h06d1

<400> 8908

aattaaaaat ttttattttt tgtaaaggga caaaaaaaaa aaaaaaaaat ggagaaaaaa 60
 aaaaaaaaaac cgaaaaaaaa aaaagggggg gaatttttaa aaaaaggcca aaaaaaaaaa 120
 aaactatttt tccgaagggg ggggaacaca ccaaaaaatt ttggcaaaaa aaaaaaaaaa 180
 accccgggga gggaaaaaaa ccccccgcaa aaagggggga gacccttga atagaaaaga 240
 ggagccttcc cccctggggg gggcaacccc cccccccag gaaaaagggg gccttt 296

<210> 8909
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220097h07a1

<400> 8909

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 agaagaggag gaggaggag gagtcccagc ccagggggc gctatcctcc ccgtcccaga 180
 caacaagatc tccctaccag ccttcttgct cgtaaccttc gtcatgactg taggcctgag 240
 gatctacgcc gaccttttgg tcaatttggg cctctcaagg acatttacct tcctaaggat 300
 tactacactg gagaaccccg tggctttggg tttgtccaat atgtggatcc tgcggatgct 360
 gctgatgcta aatatcatat ggatgggtcaa gttcttcttg gtcgggagct cactgttgct 420
 tttgctgagg agaataaaaa gaagccaact gagatgagga cacgagagag aaggggtcgc 480
 ttttatgatc gaaggaggct tcctcctcgt tactctcggg caccgctc ctctcgatc 539

<210> 8910
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220097h08a1

<400> 8910

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 agcataagtg atggaatccc agagggtcac gtcctaggca aaaaccaac tgaaaaattg 120
 aatctttttc tccaaactgg tcctgagaac cttcaciaag gtatagaatt agcggaagca 180
 gagacaaaga agagagtcac atgcatcatt gcagatgctt tagtaacctc ttctctccta 240
 gtggctcaga cctcaatgt tccttgatt gcactttggc ttccaattc atgctcactc 300
 tctctctatt tctacactga cttgattcgc cagcactgtg caagccgtgc tgggaacaaa 360
 accttgatt tcattccagg gctgtcgaag ttgctgttg aagacatgcc acaggatctg 420
 cttgatgttg gagaaaaaga aacagttntt tcaagggaac taaattcgct aggtaagggtg 480
 ctacctcaag ctaaggtagt agttatgaat ttctttgagg aattggaacc acctttg 537

<210> 8911

<211> 362

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097h09a1

<400> 8911

gtctctccca tcctttcgca ttctcaatac ctttttgatt tgtgaaagga aagcaaacat 60
 ggttgatcag gtccaacacc ctacaatcat ggacaagggt gctggtcagc tccatctccg 120
 ttctgggtctt tcattctggta ttagaagtta tgatggagcc taccgccacc cagctatgta 180
 ccaaagaccc tcttttgga attactcgaa tgctgcattg cagtttctctg tgatgcccac 240
 atgcaaagct accatggatt tgtctgctac tgcaacatct gcctcaaccg tctttgttgc 300
 tgctccagca gagaaaggcc attttctttt agactttctc atgggaagggt gtttcagcag 360
 ct 362

<210> 8912

<211> 375

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220097h10a1

<400> 8912
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gacctgggaa tctttctttg gttaaaagca cacagacaat gggcactgtg gtttacaatg 120
actctccacc taagggatct aggggtcaga acaagggaga tgaccacaaa aagccaaggg 180
gcttttaaat acgtataac cttccatagc ggcattgaat ccgctcgta agatagatgt 240
gataaagtct gatataatcg acatactaga ccagaaatgg aaaccactat tcgtgacaca 300
aatcgtaggag aacatacaac acgcacccta cccagatgcc tatatttcca gagagccctg 360
agactgatgg tgcgc 375

<210> 8913
<211> 432
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220097h11a1
<400> 8913

gagcaactaa ctcaactcgc ccatggctgc taccatcatc accacatgca agctctcact 60
gcttttgagt cttctctcag tttcactttt gctgggtgtg aggtctgata cccttcagaa 120
tgtaggcgca attcccccca catgcaagcg catagagtgt cccagctatg atgtcattca 180
cgtaggcaac ggctacgaaa tccgtcgcta taattcaccc gtttgattt caaacagccc 240
cattcaggac atttttctcg ttgaagccac aagaaccggc ttcaggaggt tatttgacta 300
tattcaaggt aagaataact acaagcagaa gattgagatg acagcacctg tgatcagtga 360
agtattacc agtgatggac ccttctgtga gtcctcattt gttgtgagct tctatgtgcc 420
aaaagagaac ca 432

<210> 8914
<211> 536
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220097h12a1
<400> 8914

cgacagttga gtcgggacgg acggatgagg aaccggatg aaaagccaat cctggaagaa 60

ccaaaacctg ctgaagctga agcattacca aaaactttca caaaacagcc aaaggaggag 120
cctaagcctt ctccacaaga aactttgcct gctcagaaag aatccaaaaa caaggggagg 180
gatttgaaat ccaaaccgga gagtaaggat gtagcagaaa ctgatgaata tgaatttaaa 240
aatcccaaaa aggaggcccc tgccaaagag tgtgaaatcg atccagcaaa gctgaaagag 300
atgaaaagag aggaggagat tgcgaaggca aagcaggcct tggaaagaaa gaagaagtta 360
gcagagaaaag ctgcagccaa agcagccatc agagcacata aggaagctga gaagaagctt 420
aaggaccgtg agaagaaagc aaagaagaaa tcagggtgctg cagctgtggc caaccctgag 480
gatgaaccaa aagatgaagt tgtcgaggct acagagccag aaagggttac gatgat 536

<210> 8915
<211> 354
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220098a03d1
<400> 8915

aacaggaact gtaatacaat tttattgaag acagttaatt tacatgcata gcataacctg 60
acagaaaaat caagagttga tcttttgtcc aaaatgtaaa acacaacaat tgttttttat 120
caactaatat ggaaacagtt taatcctttt tgtacaatca agagaattct atatatcatt 180
ccgtgtgaaa cacatgatca gcaatggcta cagtgaagaa ctctgagcct ttttttggaa 240
ccacacagct gcaattgtca caaggaagc ataaactgaa ttgggtatct tttgcaccag 300
tttccaaca cccggaacac cttcagtagc cttctttggt gccactgcaa ctgt 354

<210> 8916
<211> 495
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220098a04d1
<400> 8916

aaaagtatcc atttccatag agatgagtcc tatacgttta attcacaata tacaatacaa 60
aacagtaaca agagaatgat atcaaactca acatgacaaa atggctttcg ttactttgct 120
acctggggaa catataaaag taaaagaact atataaatta atccagctga ggaacccaaa 180

ttttcagatc tgggccaaga caaatggaaa aactgagtca aaaatatctc cctcatttgc 240
tattatgctg ctgtagcagt ggtgggggct cttaactcga ttttctatcc tttctttccg 300
caatacccaa acttaacaac atacttttga accctttatt ttctccacaa agaaaaatcg 360
atcagaaccc taaagaatta tgttttaggt ctctcttatt cttcaattca tgcaggctcc 420
ggccttctct tttgtaagaa caaaggaaag aaaggaaaag tactgaatgc aacagcacaa 480
tgcaggatac acata 495

<210> 8917
<211> 341
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220098a06d1
<400> 8917

agggggatga agggaatata gttttttttt tcctggtatc ttacaaacaa taaacaaaat 60
ctccatttca ttatatgaat gatccatgac caaaataaaa ctaaaaatca gacaaaacct 120
gggggcacat tgaattagta tctccattac agttatgggc gttgcatcca aaccaatag 180
aaagctcaga gttttccaca tcccaaaaag taaaatccta ctacagttta gcaccgagat 240
gtcctaaacc actttacatg aacacaaatt cgagttgtct tggaagagga ccaagaaata 300
aaagctagat aatgttcaac cctgcctcca aaaataccaa t 341

<210> 8918
<211> 418
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220098a07d1
<400> 8918

agagacaaat aacaatttgc tattacaaaa cgaagaaact attattggaa ttcattcaaa 60
ttgaagtgca catgattaat aagattcaac caaactagag aaggccacca cggagcctaa 120
ggacaacata gacatagaaa ttttggtata tcatacacat tcaaggaaga gaaaatctca 180
atagcaagat tcaactgaaa ctagaaatcg ccaccacgga gcctaagaac aaggatgaagc 240
gtggattcct tctgaatatt gtaatcggcg agagtgcgtc cgtcttcgag ctgcttccca 300

gcgaagataa gacgctgctg atccggtgga atcccttctt tctcctgaat cttcgccttc 360
acgtttatcga tcgtatcaga actctccacc tccagagtaa tagttttccc ggtgagcg 418

<210> 8919
<211> 363
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098a08d1

<400> 8919

ataatacaca atagttaata atatattgtc catcatggaa tacaagatgt ttgttttagc 60
aacactttgc ttatgtcatc catgttacia atatacacat gaaacatat gagaaaagct 120
tattcttgtt cattttcatc catgcttaaa ttctaagcta tcttgaaagg aggggatttg 180
agagatggat tagcgaaagg gccctcaact agtccttag ctattagcct atacgctgct 240
tcagtaaaat gaggcccatc ccaatttatt tgttttgaag gatctgagca aactattgca 300
gcaggactac cacataatat ttgaaaactg agattgtagg ttcacccttc cacaacatgc 360
ttg 363

<210> 8920
<211> 339
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098a09d1

<400> 8920

atgacaaaat actcctataa ttttatcggg tttagataga ccactaaaaa gtctataaac 60
ccaaggggaa gctaaattaa acccaagaag aaaaaaaact tattaaaaaa aggccaacaa 120
cgggtttacc ctccaaactt gggcacttaa acaaaaatct aaaaatgaaa aagaaagaaa 180
aaatcccaaa tttttggggg tttgggggct tttatactag gcggggcaac ctacaggggg 240
gccaccact tacgtcacga gtcacgagcc gcattgatca aaacgacatg atcgattcga 300
ggctctctat aacgggtcta tttgagtcac cacaatggg 339

<210> 8921
<211> 497

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098a10d1
 <400> 8921

gtgtgtgagt ggccgcctgc ttggggggggg ggggggggcac tgaaaggcgt cgggtggatg 60
 aactaagggc tgggcgcggg aacagaataa acaatacgg atttagtggg acagcagccc 120
 aagccccaaa cctagaagga tgatttagcg gtaaacgcat agatgacgaa gaggacaatg 180
 atacaagccg acaggttaat ttagctacgg aacaaaatag ggccgcgcc agtgtagtaa 240
 gaacttgaaa ggatataaat aaggatagaa atgctaagcg aacggattag ctattgggaa 300
 aaagagaacc gaaggactgg tgctgctgct gttgtacgtt gtactagtgt taacgacaaa 360
 tgcacagcac ggtgggtggg gcttactaga caataacgca gcaaactggg tgtgttatag 420
 caaagttttg tatagcgtt tgtgcaatga catatgtact ggcaactggg cgcaacagct 480
 gaaagcgcaa gccacac 497

<210> 8922
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098a12d1
 <400> 8922

gctggcttac cgggcaattt tccgtcctac atgtgtgtac gtcctccttc ttggggggggg 60
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
 ccccaaaaaa gtgcctggga tggggggttag attaccctt ttgcatgccg attgtactga 180
 agtctgggta aagggttaag agggatattt aaggggccca gaaagctttt taaagaaaaa 240
 aggaaaaaca attttccctt gggattgggg tgcaaaagtg ggcaaagggt gtggcctttt 300
 aaggtttggg aaaccagggt tcaagagcga aaacttttcc ccgtgggcaa acccagtgct 360
 ggcaactttca gggtcactgg atacattttc cttgctcatc ttagactgtg gtgaggccct 420
 tttttaaagg taaggatatgc ccttctcggg gataattccc gcaagcccaa aatttgcctc 480
 ggatttaatg gaagtcttg 499

<210> 8923
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220098b02d1

<400> 8923

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttatttttg   60
tgattttttt atttttattt tcctttttat cccttttatt tttttaaatt ttttatttta  120
ttcacccaat attattcaaa aaaaaaaaaa ccccacaaa taaaaaaaaat aaaaaattag  180
accaacaaac tccttaaaaa aaagaacccc aaaaaaaaaat taaacccaaa aaaaacttac  240
aaaccacaat atgttgagcc gctaaaaaaaa acccccccac accaaaataa aaccaacccc  300
cctaaaaacc ccccaaaaaa aaaaccctcc ccccccccaa attttataat ccaaaaaaaaa  360
aaaaaaagcc ccattctttt ttttccaccc caaaaaaaaaa tccaccaag gaacaaaaaa  420
aaaaaaaccc ccaaatattt ttccac                                     446

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<210> 8924
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220098b03d1

<400> 8924

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gaacaaactc aacggaacac cgctgatgac aaacaaattt aaatgtataa aatgcagaag   60
cttgtgcgaa gatccatgta taaattgcag cttttggtgt caatccatgg ttatatgtat  120
tcaagacatc ctactataca taccacaagt ataaaaggag ggccaccag gaccacttc  180
agggtggatc ctctcttgaa cccggaaaaa aaggatgact catgagccct cactaggcag  240
ggataatgaa taatgaaatt gatagcacia aaagatattt tacatcaata aaacatgcta  300
cattaataaa catttgaaga acccaacgaa cccctogaag gatatcaatt acaccaaga  360
agattttaga gacgccagac aaggaagcag tatttcacca ttgatgaatt gtaacttcaa  420
tcaaaaacaaa tatgctatta gggaggtaat gaaacagggt tgtgggtcccc tccgaataga  480
atcgttgaac caattacctt gaagtagatc aatgtatca                               519

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[illegible]

<400>	8925
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<210> 8926

<223> Clone ID: jC-gmf102220098b05d1

<400> 8926

<210> 8927

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220098b06d1
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<400> 8927

4036

cttgcattgt ataagttagg cgggtgttag tttaggaagc taggagagaa ataagaaaga 120
 aatttggtgg gtctcatgtg gaccataacc ttttacacct tattttaata ataaaaaatt 180
 ctcttcaatt tacatctcta tttttattct ctgaacaaa gacaacatta ggcatgttcc 240
 cggcaaagtg gaatcacata ctagtacact agttacaagc tagcagacaa aatgatgat 300
 gcttctagct gtcttaagct ttccggccaca tgagcaataa ctcttacacc agcattgtga 360
 aaccattcat tnttcacatg aatgttggtta tgagcaaaga aaggccagaa tgctgagtga 420
 aagctgacat caa 433

<210> 8928
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098b07d1
 <400> 8928

atcttcatta aacaaatcct ccaacgggga aaaggtttgc ttcaacaacc tgactcccc 60
 tcatccctat aaattaacct tccgaataag accttatata caaaactcct atcaaactct 120
 tactacatga actatttatt taatatacac tgagactggt tcaaaacagc acctgtaa 178

<210> 8929
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098b08d1
 <400> 8929

aattgcaaag aaatatccat gaactataat taciaaacttc ctaggggtatt atttacacgc 60
 cccataggcc ataaatggct ttatttgaat tttatcttcc catatcttac agtttaaata 120
 ctactcaag aatctgttca ctcccagaca ttcacaacaa taaataactt gaataaaaag 180
 aacatatacg aacgaagttg tcgagcaggc agagacgaga attcacaatt tcacaccatc 240
 tggacccaaa taccgtggct tggaacttct tgatggacca caaacagcag atagaaaccc 300
 ggtggcgcaa gaacagcgga agccggcgcg gtaacttcaa cctcgtgcgt tgattctcca 360
 accccactca aatggtgcgg cttcagcacc aacag 395

<210> 8930
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220098b09d1

<400> 8930

agacaaaact ctcagatata catgttttat tcaaaacaaa agcaaaaaac aaatcaaatt 60
 caatacattg attaaaaaag acaagttgat tgccaaagcc aacaaaaaca agtaaaactt 120
 taacattata tatatagaga gcactctgca aaagttacag gtagcaaata atgtacacac 180
 ctctctcaca aaatgcaaca agcggcaatt catgagtact gctgtgctgt ccagtgcaca 240
 tcctactttt aatatatata ttacttttgt tttatttaat tattaattaa ctaatacaca 300
 ttaaaaagaa gattgatttt aagtttgagg tacagtaggt gatgaggagg atcagaagga 360
 agaagccttg gcgagtgact tgatggtaac atcgggaccc agaacaactg gtttaaaatc 420
 gaacgtaaac gtgtcgtaac gcaggaagaa ttccaccaag 460

<210> 8931
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220098b10d1

<400> 8931

catgactgtg actgacgtcg atctatggat agtgaatgta ccaggtgcct gtcactaaaa 60
 aaccagccg tgggggttga tctaattgtac ggtaggtatg gcgtgtcgat cacccaaata 120
 cggcttaaca gtatgcctag acagctatta gcagcctgag gagcaaatca ctgccggttg 180
 agcgcgctgc tcgtgagagt cgctcagatg atcttcgata caggttcgtt ccgaattcga 240
 ctctgttcac acagatccac cgattacgtc actatccaat gcagcagttg caactgaagc 300
 taatagtcag gccatctgca cagtctcta 329

<210> 8932
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220098b11d1

<400> 8932

gctgacagag ccacaattat ccctatatca cgtctgtacg tgctcctgct tgggaggggg 60
 gggggggggg ggggcaatac acaaaacgca atagggaggt atagagggtg tgatagacac 120
 tgcattgtag aaagcgaaag agacaggata gctgtaagag gctccacacc gattaatata 180
 tgaggatggg aagatacccc gcgacttatt gatccaggaa atgccttgaa catagcatat 240
 gaaaatgcag atctcaagca gataagacta tggaatccgg atactgcgtt tagaccggag 300
 gagcagtacc gcaccatgag cattcacatt agcccgaaag ctggagcaca aaatatagcc 360
 tatcaggaac tggaatacac taggatggac attacatagc aattacattc acttgaggca 420
 tccgagaca 429

<210> 8933

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098b12d1

<400> 8933

gctggcttac cggccgattt gccgtgctac actgtttag tagtaccacctt cttggggggg 60
 gggggggggg tgctgtggca aaatgtaggt ggtgttggtt agcgcaaaga aggtaaatga 120
 cagataaagg cggctgtaat aataataaag gagggcaggc gggacggggc ggagccggcg 180
 tattgaagat gaaggaacca ccggggcaga atagcaaggt gaaggagggc ttgagagtac 240
 cgactgaaag ggaaagcggg aagagggggg accaatagta gaaataggcg gtataatagt 300
 aactagcaa taaagatagg gggagggttg cacttatgtt ataaatggcg gaaaagggtg 360
 agaccaggcg tttttggtgc taagcggatg gacaattagg gttggtacgg gggcacattg 420
 ggtttgagc ggtgtagtgt taaccagggc cgtgatgggt ggtgggagtg tttaatcgca 480
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<210> 8934

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220098c02d1

<400> 8934

ngaactattg tacctctatg acaatttcaa agtaataacc caaaaacgag ctaactaggg 60
gggggcccgc ctttctttct caaattttct attttttcgc caaacaccca caacaaaaag 120
aaggatattt ttaaagtttt tctcccttgt accccgttta acaattttta aggaaaaatt 180
taactacaag ttcaatgcca aaaaaaaaaa attctgactt attccctaaa gattattaaa 240
gccactaag acctaaaagt ataaatttag gtacttaatt tcaatctggt tggctcttat 300
ataaatacat ggaatggtgg caacaaccaa ccagggtttt aaagaataaa aagtaaaaat 360
aataaattta agggcatttt ggtccccctc tttttacctc caa 403

<210> 8935
<211> 528
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098c03d1

<400> 8935

aaagttattg acgtgaaata agaataaggc ctttgtctag ttgctacgac acaggcatga 60
aaattaattg cagaaaatta atacgtgaac ataattctta tatatttttg gggcttgcaa 120
agattgcaga gacattttat ggggtctacaa gggattctca cgtcaaaatt ttatcgctg 180
taaagtctct attcttgat gttctgatat ataattttga ctggatatga ccgaaatggg 240
atggctctctg gctctacaaa attttcaa atcacaagctca tgtatgaaaa aagagatggc 300
actagggtcaa ctacagacca ggcaagccct gcatactgaa caaatctaatt tccggtatca 360
acatcgaatg ccttggtgctg ggaaaggagc ttttgcaagt aaccttggtt aagcttatca 420
gacattttac ctgtcacaga tccattcagt gtaggtatat agccggttga tttatcggga 480
tgcccaagggt gtcgctccac aggaatgggc catttgcgag agtctact 528

<210> 8936
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098c04d1

<400> 8936

gccataagg acaataaagt ttctagcctt attttatata ttgctggatt gatgttttta 60
gctacattgg tatgtgccag agataacata tataacaagt gtatgtatta tagcataatc 120
cttagtttag gggcaaaaat gttcctccaa catgaagggt ttaaaaactt gaccaagtcc 180
tttcccttgc acagaccata atatcactga tcaatat 217

<210> 8937

<211> 353

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098c05d1

<400> 8937

ccaaagaaag gggaaaagtc tttatTTTTT tagcgaattt tttctcaatc ccccaaatat 60
atgggggggat aaaaaccctt ttctataaac caccattggt tggggcaccc gaagggctaa 120
ttaattaact ccttgggcat gaatttcttt ttaaccaccc ttttgagcat tatttgcagc 180
ctttgatgaa caaagtgttt attgacttgc cctccctgct tcatccaatt ttagataaaa 240
cgactccttc ccaattttct aaacaaactt ggatattata agcttctcca tcacctccag 300
ccttgggttt acaaacaaaa ccttaactcc attctttccc aatatttta tta 353

<210> 8938

<211> 420

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098c06d1

<400> 8938

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cttagatata tctagtgate actcacaccc aacaacaaag actatgaagt gtctgaagaa 120
atagaaacta atacaataaa aggctcgcat aagtgaagcc ctacagtcac actcgatttc 180
tcttattctg atagtaagtg cttcactgct gcctcagtat cccgctgcag aaatgagcaa 240
atctgtccat ggcttgttca gaacctgatg cttgcacagt tagtggagcg gctgatcttg 300

taaggacat tgacctgca gaaaccagg agtgcctgag catactggc attgatgttg 360
 tacctagcag catccgcctt gagacagttg cacacagttt gtttgtcaac ggtggtgaca 420

<210> 8939
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098c07d1
 <400> 8939

atgaatgcga attatgcatt tgctatcaat gtggggctctt tgtacaaaca atgaatgtag 60
 ccgcagaaat tttccacagc aaaatgctac ttaatctcga tttcctatc tctatcctca 120
 gaagctaatt cagcgagcaa gagaaaacta atccaaggta caattaaaaa aatctatcta 180
 cacaatgtat ggggggaaat aaccagctgg gctgcttctg ccttaatgct ggctgtgac 240
 tccagaaagc caagaactat aaagatgata gtgtccgtgt gaaccattct gataggcgtt 300
 tgatTTTTgc tgacagcact gcatcctttt cgagaaaagt ggtggcattg gacagtagaa 360
 tggtcacatc atgct 375

<210> 8940
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098c08d1
 <400> 8940

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 aataaaaaac agggagtctt ttgtttggga cccacaatca caccctccta catcactcca 120
 actaattact ttgcctactt tttcaacaaa aattgaatcc aaagatttga ccctgatgct 180
 tttatggggg ataaaattaa ttctacaccc ccagccttta gtcagcctaa ttatatttct 240
 cctaactagt tagggaacct cctaaattgg gtccttgggt tggaacttgc aaatcccagg 300
 ggcctttta 309

<210> 8941
 <211> 468
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098c09d1

<400> 8941

attaatataa aatactaatt ttttctttta ttttattttc cccccccaaa aaaaaaaaaa 60
 aaaaaaaaaa ctccccaaaa aattttttcc caaaaaaaaa aaaaaaaatt ggggaaaaaa 120
 aaaaaaaacc cccctcaaa aaaaaacccc ccaaccccac tttttttcac cccccccac 180
 accccttttt tttttttaa aaaaaaaaaa agttattttt ttcctctttc cccccccct 240
 ttaaaaaaaaa caccgcccc ccccaaaaaa aggytccttt ttaaaaacca aacaactccc 300
 cccaatttat tataaaaaaa taacccccac cgcccccca caaaaaacaa aaatgggtaa 360
 aaaaatctcc cccgggataa aaaaaaaaaa ccccccaac caaaaattcc accccaaac 420
 acctaaaggg ggtccccccc cccccaaccc cccccaagaa cacaaaaa 468

<210> 8942

<211> 581

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098c10d1

<400> 8942

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 agaggggggtt acacctgact caacggcatg ggcttacata agtacggggg acgccagcgg 120
 tggggaacgg ccatgagggc ataaacttgg taggggggca acaggggcct gggcggcaca 180
 aaagaaaaag cgtacatacc cgcaacattc cacagcaatg ggggtggcgg cctgatttag 240
 aggggaagcg taagcaaagc tgtcggcgcc aacaatggga gaaacacctc cgtggcaata 300
 tgcaatccaa atgcaggaga ggtaagccac aatgtcagtc tagaacagtg ccagaggagt 360
 tagtaggtgg tgatttaaac tggtgctat ggatcaacgt tggttgattg agcagccaaa 420
 tgcgcgagga taggtagaag ggtaaccctt ctaagccacc aatatggggg accgtgctga 480
 ctgaaagcaa tgtttaggcc gtgaaggagc ggccaaccgt agctggacga ggctacgact 540
 ggacacaagc cgtgaagtag ggcagctgaa gaaaagtagc c 581

<210> 8943

<211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220098c11d1

<400> 8943

cctgacttag cggacaagtt atcctttctt cacgtctgta ctagctcctg cttggcagag 60
 cggtgcgtgc atattagtcg aaggagaata gatagtagac acgtttgcaa acagcatgcc 120
 cactgaggat cgcttgacct acagaatgat cctgtgtggc agatcacttc ataaagcact 180
 ctgacacgag tttaccccat gtgaatttga ctagcgctct atttagaagc tagaaccagg 240
 tagtcgcatg tgtagcagaa atatctgtga gctggatcaa tggaaggcaa atcactgtca 300
 tgttagagga ccacttaagc gcatacaaag atgattagtc gcttgccaag tgtttaacta 360
 gggtaatgca catctgcagc ctaagcacc acaactgttg cacagccgca gatccagcat 420
 agct 424

<210> 8944
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220098c12d1

<400> 8944

tatgactccc cggagaattt tccgtactac atgtatggac gtcctcctct ttgggggggg 60
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 agagagtcgt atagtagaaa aacaaaaaca aaaacaagtg gataaaaactg cctagacgct 180
 aaatgcttgt ttgggattta atcaggctgc acgaaactaa tctgacgctc tatggaaagc 240
 aatgggtaat gaaaatgaca actacaaaac accaacaccg aaacgagtta tgataaaaat 300
 aacgggcca caaactggga ttgagatggc ataatgagcc atggcagggc cgctggtgag 360
 tgttgctgga tcacaactta aacgaaatgt agcacacctt gttggccaac gcatgtctag 420
 g 421

<210> 8945
 <211> 236
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098d01d1

<400> 8945

gggcccttca acgaaaaaaaa ggcctttttt tgttaagccc tttagcttca cactgaattt 60
 aaaaaagcaa aatttcgttt ttagttacag gcaattttgt tttccgcact ctgtatacta 120
 atataactgg tggcagcatc atagctacaa gctactcctg aactaaatgc atcgatacca 180
 aattacacga caaaggtgtg tttctttcgt tctccctttt cttacaaaaa ggtaat 236

<210> 8946

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098d02d1

<400> 8946

ggagtcaaaa ctggtctgag ggaaaatggt ctattacaag gctaagtgtc ccacaaattg 60
 aaactttatg cgtgagcata aaataccaag gctaccaaag atgctatcac taaagaaaac 120
 aaggaaacct cttgcctagc accagcatta ggtaaccacg gataagaatc aggtgggtggc 180
 attacacagt tgtcaccggt gaagtagacc cttcgaggaa aag 223

<210> 8947

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098d03d1

<400> 8947

aaagagaaaa aactaaattt cagatttcat ttcattgata cctcaatagg tgcaaacctt 60
 acattagatg ataatcatac acgtgtgtaa catctaata tttagggaat ataaaataaa 120
 actaaataac ataataaaag gataatatca taaatatgca gaacgacaca gcaaaaacaa 180
 agggtaaact acagcaattc cttaatgcta ccgagtcatt tatgaatgtc tgttggatca 240
 atcaaccttg tccacaaaag aaggcagaca gaatgcagca gcatggatct ctgggttata 300
 aaacttagta ggtccctttg ccacccatt tttctctgga ttcaatttat ttattggatg 360

tttgaagttc actggtggac cctccgtaga gcaaagcatg aatccaatca ccccaacttgc 420
 atatgtagga accgtggtcc aagcatagtt aacggagcct ttgaatatct tcttgcaatt 480
 ggctatggtg tctgcaacca caaagttctt at 512

<210> 8948
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098d04d1
 <400> 8948

aacaaccagg cctttttttc aattcaaaaa caattggggg acaaaagggg aaataacctt 60
 ccccaaaggg gccaaatccc gccacaaatt tttaaatcgg gaatcttctt cccgggggtt 120
 gcccttggca tttgataccc ggggaagggg acccccttga acaaaaatcc cttgaggg 178

<210> 8949
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098d05d1
 <400> 8949

aaaataaaaa cataaacaac atactttcgc tggaacgagt tcaatacatc attttaaaac 60
 ataataaaca gcagcactta aaccagagat gcaaagcaca agttcaaggg agacactgaa 120
 caaacagatt agacatatga gaacacttca taaaagggat tccccttagc aaccaccagc 180
 aaggcgaagg acaagatgca aaggggattc cttctgaata ttggaatctg ccaagggacg 240
 accatcttcc aattgcttcc cagcaaaaat gagcctctgc tgatctggag ggataccttc 300
 cttggcctga atcttagctt tcacattggc aatagtatca gagctttcca cctccaaggg 360
 aatggtcttc cctgtcagag tcttcacaaa tatctgcata cctccacgaa gcctcaacac 420
 caaat 425

<210> 8950
 <211> 495
 <212> DNA
 <213> Glycine max

caatgcaaca	aagtctacaa	tttgttcttc	agcagttcaa	tacatcaata	ttttgtatat	60
aggttttttt	tttctcttc	aatattgggc	catcaacaga	tgttctgttt	aaacaataag	120
aaagaaaaac	tacaatcata	gcacccccga	aaatgttaat	tgagcaccaa	tggtgaact	180
ccgttaatca	gtagttatcc	ctcaatttcg	ctgctaacat	ctaaaagaat	gaacagataa	240
tacctagatc	tataaaggaa	ttatatgtct	attgtctaca	aagctctcaa	ggcagtatgc	300
aactgaaaag	agtgaacata	atattcaact	gatactgac	ttcaaacaaa	tttatgagag	360
ttcgcataag	agtagggaag	gttgagcttg	tgatcctcca	atcaagccaa	ggagcatacc	420
ttggcttgtc	tgatactact	gcagcaaagc	cgactgtcat	ctatgtaagt	tgcttggaatg	480
cccatcatcc	atgat					495

<213> Glycine max

<400>	8951
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aaatttaaaca	ccattcaaaa	ttattgttta	tttatgattt	acagatacaa	aaaaccagaa	60
ggatatcagc	aaacaaactc	ctttctacaa	gggggaagag	agtctgggag	atcaccctact	120
ttctcacttt	ctactacaca	gagagaaaat	caccgagagt	ggaaaaacaa	gattctctctg	180
actcatacag	agtctcagat	ataagattcc	taaaacaaaa	caaaaatcta	cagaagcgtg	240
ctctgttccg	ttccttctct	tgccaccacg	agtagaccac	cttattgaga	cagtngagag	300
aaaagacaaa	aggagcaaaa	ttagctacac	tgccaccatgt	aacttaggtc	atgtctctct	360
ctagctacat	tctcaagtga	gttcagccgt	gtcacccgca	ctcaagatcc	aggatatctc	420

<213> Glycine max

<400> 8952

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 aggtctaaat gcccaaattg tctctaacag aagctaaaaa agacaacaaa gaaaaacaat 120
 aacgtatctg gaaaaccaga cttatttttca caaggacaga ataataaaga cacttaagga 180
 aactactctt cctcatcttc ctcatccag cacttttagag ttgatctagg tgaaccacag 240
 tcactagtct tcccgaattt ttggtagaca acagaaccac ccattccaag cccttcgttg 300
 ctctctctt cagcacagta tcccttaaca tccagaaagc aggtctgctc aaacgacttg 360
 cttgcaccat ccacatgaac tgcaacagat aactcagttg ggaggaaaca tgccaatacc 420
 c 421

<210> 8953

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098d09d1

<400> 8953

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ggggtttttgt 60
 tttttttttt tttttttttt tttttttttt ttttaaaaat tataattaaa ttttttaaaa 120
 aaagaaaaaa aaattgaaaa aggaaaaaaa aaaaaaacgc caaaaaaaa aaaaaaaa 180
 aaaccctccc caaaaaaaa aaaccccaaa aaaaaaaa ccccaaaaaa ggtaaaaaaa 240
 agggcacctc ctaaaaaaat aaataaaggc cccaaaggagg aaaaaaaa acaaaccctc 300
 caaaacaaaa aaaagcgcca aaaaaaaa cccttttttc cccaacacc aaaaaaaa 360
 ccccccaaa aaaaccataa ttaatttttt cacaaccggg ggt 403

<210> 8954

<211> 594

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098d11d1

<400> 8954

ctgcttgcca ggaatttgcc gtgctacatg tgtgcagtac ctcttcttg gggggggggg 60

ggggggggga ccagaatcag caggacaggg aaggagaaaa agaaaataat aaatagacaa 120
 cagcacagga tggggaagga aaagaaaata cttattagaa aaaagcagga taacgtctct 180
 aaacccatat atatgcttat gattacttag taatatttgc gattgtatag gtagtgtgtg 240
 taccaattta agctaggcag cattatatca gatggggcag ctacatacag aatatgaaga 300
 cgaagagaag atatagaata cacaaacgga tgattctatg caagaatttg aaggaaacga 360
 aaagttgtac caagcagtaa tctacaaata gcgggctccg ccttagaagt ccggcgagtc 420
 cagcaccaag tgcttaccct ggcaccacac cagtccaag tgtccaagt gtaatccaga 480
 atttggtcat tgtggtactc agtgtaacca gccacggtaa caactctaag tcagtcctta 540
 cggttaggcg tgcgctgtgt acaagctgcg gtcttctggt gcgtgtcatc tate 594

<210> 8955
 <211> 543
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220098d12d1

 <400> 8955

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 gggggggggg gggggggggg gggggatgtt taaaagaaag aaggaaaaga aaagcaaaca 120
 tcggacagcc cggggcggat atggaatgaa gttgctgagg gctacggtaa aaaaaaaaaa 180
 aaaacaggca ataaaatggg gagatgggga gataggatat ataactcagg cttttgttgg 240
 taataggtga ttaaccataa tggaaggctg gcacggcagc acataataaa aatgtgggtg 300
 acggacctca catggagaca ccagaagta ctaattgtta ggtaaagct tgcgcgactt 360
 gttcagcaat gaaatacaag atggtgcata gggggtaggt gatgggtggt aggggtggcaa 420
 cgcgaccgac cgcaatacac gaatggtgca aggtacacaa cagcagcatg gttcaaggca 480
 aggttagcac gacttagcgc ctcacgtagt gggagtaaaa tggtaaattg cacaaaagtt 540
 gag 543

<210> 8956
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220098e01d1

<400> 8956

aataccaagg aatctctcat aatgataagg aaaaagttta attacaagac aattttaaat 60
 gtaaagcatg ataatatgtc gctacaacta caacagacaa acacatacgt cttaaaatta 120
 ttactcgtat taagaagcac tcacacaaaa caagcaaaga tcgatatata agaaagccaa 180
 gtctaacaac atgattgaga gtcattatgt tcctgttcat gattagtact taattagaca 240
 tgcattctcat ggTTTTGGTT gatgaaatat tataacaaac cataatgaca caaatttact 300
 attattcaac cacttagcaa tgtccatccg tgtctgctgc agcttaatta tccttacttt 360
 agtaactaag ccaactgggc accgcaatta caaaggatgg ggcaggatcat g 411

<210> 8957

<211> 495

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098e02d1

<400> 8957

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 aaaacaatat aaaaatttca catgtattag ctgtacagtt ttctcatggt taatttgtac 120
 aagatatgat atgattccac cctagcttgg aagaagaatc acaacaactg tgctgaaaac 180
 aaagctaatt tattttattct acatagacac attaatttgc acacaaaata acaaaaaaaaa 240
 tcttcccaag attaggctgc agtatgatgc cctatttggg gaaaccaata gtataaggaa 300
 cgccagtagc cttcaaccaa ccacgagcat ctccagcagg tccacctctg aggaattggg 360
 cagcagtgaat ttgtgcagct tcgttcttat taatattggg atggtaacct ctccacttta 420
 cccttccttg aacgtagtaa ccagggtcaa cgtagcata ctcagcatag tacaacgtat 480
 caagatcagg ttccc 495

<210> 8958

<211> 524

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098e03d1

00220"ETTES60

<400> 8958

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 agtaatccat tcatatgtta aattgttaca caagcataca acagtgtcat gatttcctca 120
 ggtccacaaa tattggaagt ttgaatgcca atagcctcga atatgcaact tgaatccttag 180
 cccaaaactt ttacttagtt attggctttg ccatagcttc ttgggaaagg gataacgtcc 240
 ctaacattgc caaggccagt tgcgaagagg accatcaggt caaaccttag agtgaaccca 300
 gagttcttca ctgttccgtt tcgacgaaga tctaggtacc attcatactt ctctcgcggg 360
 aagcctaact aatcaatcct ggagcttata atgttaagac gttcctcgtt ttggctacca 420
 gatattattg ttccaagctt tgggacaacc aagtcaaacg cagctacagt tccatcatca 480
 ttctggcgag cataaaatgg gctagcttct tttggataat tgat 524

<210> 8959

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220098e04d1

<400> 8959

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 gctgactacc ggctggccgc cctttttttt ttttttttgt agcattgact ataggcaata 120
 gccatccatc aagggtgatg tgaaccatcc tatgaagaga cagagaaatt aaacaaggag 180
 gcaaccatat gcctaagag gaattaaaag tatagaattt caagccagga ataataaaat 240
 gagaaagaaa cagaaagcag ctgtaacatt ttaaagacca acttagaact acccttattg 300
 atcctaacca tagctttcac atgacctcac tgatagattc ataatactag tgccttagaa 360
 ttttgcttca gttgttgaga ggtgcaggat atctgttgat gcaatcaagc caagggttcc 420
 tagattgctt ggtaactctg cgcattggcg gcccaaccac gctgttgc 468

<210> 8960

<211> 325

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098e05d1

<400> 8960

ctgtagcatt gactataggt aatagccatc catcaagggt gatatgaatc atcctatgac 60
gagacaccca aattaaacaa ggaggcaacc atatgcctaa tgaggaatta aaagtataga 120
atttcaagcc aggaataata aaatgagaaa gaaacagaaa gcagctgtaa catttttaaag 180
accaacttat aactaccctt attgatccta accatagctt tcacatgacc tctactgatag 240
attcataata ctagtgcctt agaattttgc ttcagttggt gagaggtgca agatatctgt 300
tgatgcaatc aaaccaagggt ttcct 325

<210> 8961

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098e06d1

<400> 8961

aataaatggt aaattaataa attaatgtctt gtaattaaag acagtgggag tacatcttag 60
ttctactatt ttctttgcct cagatccctc aaatcatata atccaaggga aaaggaagaa 120
caaagcgagg aaaaggaatt aaaaaaccac ggaagcattc acttcgggtt tgatatgtac 180
acgacttatt tatgttacia ccacaaacga agctctttat ttggttcaac acgacttggt 240
tacttcacat tttagaggac ctgcaaagcg agtgagactc gatacggctt tcccaggctt 300
tgctatgatt tctgccttgg gatTTTTTgc tacgtTTTTc ccagactgaa caaagaaggc 360
tccattcatc aataaatcac cctctgatct ccaattccag ttcttcaca cactttctgg 420
tgcatagtcc ccttttgcac ttctttggc 449

<210> 8962

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098e07d1

<400> 8962

aaaaaccggg gtaagggata tgccaatata tcatatcagt tcaacacact actaaaacag 60

ggaacagaaa cacccaaaac gggtgagtaa aaagaatatg ccacacaact gattctagca 120
 caaaagagta acaacagttt gatgaaaatc aggaacgcag caggaacttg gaatccttaa 180
 tcagctaaca atctgcattt gt 202

<210> 8963
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220098e08d1

<400> 8963

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 ccgggctttt tttctttatt tttattttct cttatttttt acacaacaac aaaattatta 120
 aaaagaacct tttaaaattt taaaaccata nccccctttt tccctaattc aaaaatatat 180
 ataatatata taaataccat tatattacaa atatttttta ttatcttcta taaaa 235

<210> 8964
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220098e09d1

<400> 8964

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 cggccttacg tcctcttttt tttttttttt tgattttttt tttttcttca ttataacaca 120
 aatgggaact tggtagcaat tctcattttc caaccctatt atgaattcca taaggatttt 180
 catcaatcca actaatcatc tatacaacta cctacacatt aaagctaaaa tgctaactat 240
 caccaaattc tacccaaaga gaacaatcat tgtcatcaaa taaccataac ttcacaagcc 300
 acttaatttc actattttaa gctataaaac taataaaaat gactcaaaca attttgcttt 360
 tttttttggt ctttgagtca atgcttctca aagccagaat ctctcttctc ccaaaacttg 420
 aactgcacag atctttgttc tagcatcttc tccacttcct ccataggaac ccctttggtc 480
 tcaggcacat aaataatgac aaataagatt gccacaatgg ccacaattcc aaacatcatg 540

aatgtccat,

549

<210> 8965
<211> 618
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098e10d1

<400> 8965

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ggggggggggg acaactaaaa gtaagcatga acagctagga tggcaccggg aagactataa 120
gacgagggtc ctcgaaaata aaaacgacga actacgaata caatgaaatt tgaactaagg 180
tcttggccag tgtaaaacct aaacaagagt ctaataagcg gtaagggaat agaggataat 240
aaaaaacctt caattaattg cacaacaagt tattccatat actcggtcgt tacagtttcc 300
tcgggatatc tctctcatcc ttcctctcct cctgcaactc ctctctttat tcaccaatca 360
caccaagttc cactgcggtc cagtttgtca cttcaagggt cactggatcg atctcgctag 420
ctcatcgtag actgtggtga gacgcgtatt gaaaggtaag gtatgccttc gtcggggata 480
atcgtcgcat gccctagaat ttgcctcgga tttaatggaa gtcttggcta gtatagttta 540
tggtgtctac tgctcgaag actctaaacc tttctattca gtctttgggt taatacggct 600
ctacttgcaa gcctcaag 618

<210> 8966
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098e11d1

<400> 8966

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acgagcgagt atgatacaag atgactaagc gcaaacggca tgggagaaaag aataaaaaaa 120
aaaggaggga accctccatc atcatgacgc actgacggga tttccaaagg aaggatgcat 180
tccgattgct accgtcgatt actaggggtt tgagacagca gcgctccagg acagctggca 240
ctcgaagaaa gccattagac tagcgggatg caccgaaagg cggagttctg tataaggtta 300

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tataatagat cacttccaac tagaaacgcg aaacttgccc cgcttgaagc acgcactgaa 360
 tgtagaggaa ggctaggctc tgaatgcccc cgggattagg aggaataatg caacactata 420
 atgccaggaa aagaccgact aagctcggct agacaacccc agaccgagag acccggttac 480
 ccaccggggg t 491

<210> 8967
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098e12d1

<400> 8967
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 tgggtgtgta ggcgtgtggg aggtgtgttg caaagtaacc cgcacctggt gccggttcgt 180
 ggtggtcgtc agactgttac gaagtaaggt tggctctctga cagtagttaa tcagcactaa 240
 ttggtgaagcg gctggtaaca acggccgctg ctgcgcgtac gtggctggcc ggggctattg 300
 ttggttattg ggggtgctgt tactgtagtt aacggcaagc accggtgaag gttgaattta 360
 ggtaacacct ttctgctgcg cgggggctgc caacgaaagc caagtaagct gtggccaaaa 420
 aggcgttacc agaagttaag cgggtactaag gttagggcca cgataaaggt acagaaacgg 480
 cctaggtaat gggtacagca aatgcagcgg gtgcaccagg tgggccagca ataatgcca 540
 catgccatgg cataacaagg acgcaggggt ggtgg 575

<210> 8968
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098f01d1

<400> 8968
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 ataataacaa actttccctg gtatttccga gggttcctta ttgatcactc ttaaactact 120
 agtcaccgca tcagcatgat ttatccctcc aagggaacac tgtgaagaac aacgggtctca 180

ttttctccat cattttgccg aacagctccg ttctgtacag ttatctcttc aacagcaaaa 300
 cttctttttc tcgaatttgc ttctttcctg actatcaatg gatgccagaa gttcttcttg 360
 tctaatacaa gcttcataca aagc 384

<210> 8971
 <211> 212
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098f04d1
 <400> 8971

aaaaaaaa aaaccttcct ttaaaccgg tgaaaaattt tccctttcca aacttttttt 60
 taaaaaaaa aacccccaaa aaacctttt ttggaaaaa acccccttaa aaaacctttt 120
 tttaaagggg ggtaaatttg ttacccctt ttgccccta aaaaaggggg gttttggccc 180
 ttcccccg ggccccaaa cccccgggg gc 212

<210> 8972
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098f07d1
 <400> 8972

cataacgaga ggacacatat ttgcatttg tgtcttcctt gtgccttggt taacaatttc 60
 tagggaggaa ttgactaca agttcaatgc cagaacagaa gtgttctgtc ttattcccta 120
 aggattatga aagcacacaa agacaaaaaa gattaaatta aggtacttaa tttcaatctg 180
 gtgggtacat atataaatac atggagtggg ggtagcaact agcaaggga ttaagagact 240
 taataggtaa aatttaaagt ttcaggggca ttttggtcct cctctttttg tcttccagtt 300
 gttgtagcaa gggcaactt gcttggtgcc aaaagttcca ggaggcacac acaagcactt 360
 ggcacagcac ttttggcaga agaataggca cggtttct 398

<210> 8973
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220098f08d1

<400> 8973

ggagcacagg tgacattttg ttcattgcttt cgcacatga taaaaacatc acaggggatg 60
gtgaacatat ttatttttat caaattaaga caccgccctt acctatcccc tcattacaaa 120
cattatcttc ccccccaaaa acttgaagtt aaacgcaccc ccacaaaagt tttcatagat 180
gccatccatt tcaatataca ttatctaaac acaaatcagc ccatggcata cttctgggtc 240
cagctgcgtg cagtggcctc atacttggcc cggccagttt tgtacatgtg agcgatttcc 300
ggaacaagtg gatcatcaag atttggatca gccagcaatg agcagataga aagc 354

<210> 8974

<211> 540

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098f09d1

<400> 8974

acatcaaat agtaatcaca cttaacatat tagcagaact atgaatacat tgtttttcat 60
tacaaagggc ataataatcg atctcgaccc aactaagaac aaaaacggcg tataaaaaaa 120
gaattacaaa aatagaacag actttgttac ataacaccga gaatagttgt catacctccc 180
agactaaaaa caaaacagaa cagactggaa ggtatcctca aatccacatc catgcaattg 240
ccaacttcag cttccacagc tttgaatagt ttacgagatc ttccatgtta tacctatttg 300
ctcaatctca aatctgaaaa ctgtctttgt ctttgtccca gctgcaatta taccctctcc 360
caaccagaaa aaaccatctc ccttttaaaa acaatctaaa ataaagcact ccaaactgct 420
ccatttcctt caccacactt tgagtggaca tatttaatct tctccactga cttacagatt 480
ccactgcagc tcccatcaaa tgatgcaaac acatatgtac cggcctgcgc cttcactaca 540

<210> 8975

<211> 503

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098f10d1

<400> 8975

gatgactgtg actagcgtcg atctatggat agcgaatgta cctaggtccc tgttctgctt 60
 gccgggttga cggtaagtca tacattaggg tcaccagaga ggaagggagc gatggaatat 120
 ggaatatacg atatagctag agagacacta atatagggta accaaatagg tgttaaatta 180
 gatgcagtgt ttaaaagaaa tgccaacagc aggaatggaa acatatatag agagagagaa 240
 cttaaaacta gagagagaga gaacataacg tcaaccaaga gctgtagaag gccggctgga 300
 gctggtactt aaacacagcc gcctgctggt gggtagcac tggttgtagt ggctgatggg 360
 ctggttgggg gtgtagcagc ggtagccaac ctaaatttat tccagtttat gctactgctg 420
 ctgctaattg atgtggtgag tggcgcttgc gcactagctg tgcccgtaaa tggcttggct 480
 ctggtgtagc tgagagagta tat 503

<210> 8976
 <211> 513
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220098f11d1

 <400> 8976

gctacttacc aggcaatttt cgtactaca cgtgtgtagt accaccttct ttgggggggg 60
 gggggggggg gggggggggg gggggggggg gggggggggg ggagaacaat acggcgacga 120
 agggagggac tcgactcgac ctttaagtag agaccatgat agggatgaga gtatcagtct 180
 cagaataaat aataaaggca gatagcaaat ccatcagca cggaatgaac cagcccatat 240
 atgccgtgaa tgctaaagag atagagaggg ggtaacaga gggcacgggc tagcgaagcc 300
 gcactgacga ataaccgggc acccctggtt tccacacata agtcggcgac ataaaccacc 360
 acctggtcac agcagtaaaa ccacacttaa cccaagtgg cttataaaca gcccgagcat 420
 gtaaagttaa ccctttaaga gaccaactac accagagcca tggaccgagc cttttgggga 480
 cccgaggaga tcataaagct acactacgca aag 513

<210> 8977
 <211> 537
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220098f12d1

<400> 8977

gtacactgtg actagcgctg atctatcgct agnaatgtac cagagtcctg tcacagcgct 60
 ttgtttgtgg gtgactgagg gtttgtgtgg aatataagga ataaacagag agtagagtag 120
 agtaatgtta aagcagcaaa aagaggcccc gcgggtggtg gcgccgccgc ctgatggggc 180
 gccgcctact tatactgccg actggggatt aacatgggca aagaatagcc ccgccgcact 240
 cgcttaaaag tgagcaaaaag ccaaagtggg gtatttgtgt ttgacataca cttgtgcctg 300
 tgccctgggtc ggttaaaaaa caagatggcg gtccaaaaag gcatagctac tgtaactgtc 360
 gcttgccgaa tgtgctgcca atacgtatgc ttgaggaggg agtggtgtgc cccttgatgt 420
 agcatcaaag acatggtcac gggggccccg atggcacgcc gcagttggag atgtgttata 480
 tcaatcgagg tacttaaccc aaacccaata cacaataata cggttagtga gccggtc 537

<210> 8978

<211> 508

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098g01d1

<400> 8978

gctagcaact gtacttttca ttgattaaat aaacctttac atttaccta ggcctacaaa 60
 aatttactca tctcactact ggagaggggtg gacctgtaaa tgacagcatc cctagaaatt 120
 cgctaaaaat cgcagaatag cagggtctaga ttataatca atattgactg tctatataca 180
 gtactgctaa ctacttgcac aaattctcaa tttgtatttt tttttttctt ttgagaaatt 240
 gaatcaaaaa gatttggaca gagaaaccac ttggcaatct tgtgctaggg cttttgctgg 300
 gaaggggtcat cttcccctga gcaacaaagt ttgcaaggat tggaggattt ctgggaacac 360
 cagtgatctg gaacactcaa aaaatatgta gacataaact ttctgaacct ctttttgtat 420
 tctttaggag agattacagt tggcaacaca tttttggcac aacaagtga gacttcatcc 480
 atgtctcaag atgtttgtcc caagtata 508

<210> 8979

<211> 481

<212> DNA

<213> Glycine max

002220"ET"650

<223> Clone ID: jC-gmf102220098g02d1

<400> 8979

agtaactgaa cttcttgctt aacaagaagg agatgatatg tgaagtaata ataatccaac 60
aacaataag atgaatctaa agaataacta cacacacaca actaattaca taatgatgat 120
agccaacaca aacacacaca catatatctc tatcaggaga aaaaagcatc caattctcca 180
acgaatcaac atatttgaaa gattatcatc aaaacagctg caacaacttc aaaaggaaca 240
tgtcattggt attcttggtt ttcttcttgt catcacaaga atcaaacttg aaaaggccaa 300
ggccaatcct tcaagtcctc atcctgctgc accttcccac tcctcacagg cacaacagcc 360
ccactattcc cctcaacaca agcataatac ttcaagaaaa atgcaagtgt caaaaccacc 420
cactccaagc aaaagatcaa aatgggtgagt ccaccagcca aattgagaat cacagcacca 480
t 481

<210> 8980

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098g03d1

<400> 8980

gggccaaatg ggcttggagc ctctattcat tttttcaagg catctgggcc ttccaaatgg 60
cagaccaata agttgacatg cttcaaacaa atcaacttaa aggatcggtg gaaaaaacac 120
tgaacataac catatctcta ctttttccct taaagaccac atacttcctg agaacaccct 180
ccctttgaaa accagccttt tccagcacct ttgagaagc cacattttcc acatcaacta 240
aagcccgaag cctctccaag gggggaaact cgctgaatgc aactttaatc acttggttca 300
cagcatgggt tgcaatccct tttccccaat ttttgagggc ttaagcgtaa ccaagttcaa 360
caaatttggt cctgtttcta cgctggcccc cacatgagaa aaaatcaata cccc 414

<210> 8981

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220098g04d1

<400> 8981

catcaattac aagcccttca gcagcaactc gaggacctgc ttccacagga ggcttcttac 60
gagcttcaac tgcagcatca gcttcagcca actgtctttt cagtttttcc aaaacaggac 120
tttgccgagc tggatctata aagacaaccc tcaatattct ttccactgtc actagttcct 180
tttgttcatc aaactgcatg acagaaggcc aaagaccaa ttttaattatt tacttttatc 240
attcacgggt aaccttgaaa atattgccta aagcatgaat agatgaaaca agctattatc 300
aatataacaa gctgacgcta ccatgaaaat agcctatcta caaatatctg ttaataaatc 360
aatcctatcc agaagttgaa gtccagtttt tggcatatgt taatgttgta gggcctatag 420
ctaaccctaaa caaactagta tcctacatct ggagtaatat tatagaatac caggagtnga 480
aaaccactag ctggctaaat catctaataa aa 512

<210> 8982

<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098g05d1

<400> 8982

agacaagaat cacatgcttt catagataac aattagaaga tagatcgtgg cttaattaaa 60
atctcaagtg gagtagcttt agtcttgcc aatccaacgg tttcagtc atcaataggt 120
tcatttgatg gatttaagaa tgaaaaagaa tgaaaaagac tggcaagaat caaatgaacc 180
atttgaaggc taaag 195

<210> 8983

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098g06d1

<400> 8983

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tggttttttg 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ttttttttcc 120

aaggaaaccc caaaaaaaaa atttgccctt ttggaaaaat tttttaaaaa aacccccccc 180
 cggggggaaaa aaaaaataaaa accccccccc ccaagaaaaa aaaaaccca aaaaaatccc 240
 ccccccccc ccttggg 257

<210> 8984
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098g07d1
 <400> 8984

atggtacctc gatgcatcc catttattaa ttattcccg aattgactag ctgactggcg 60
 gggggccgcc cttttttttt ttatatTTTT ctattttcaa tataaaatga actagattcc 120
 tggggtagag tgatcctttc attccatgaa taccacgc gtgtgtcaaa ttatatacct 180
 tggggcaata aaggggaaag ctggcgagc atctaaatgg cttgtataat gtaactcccc 240
 aactacacta catactctta gggatatcaa caacaattcc cacctgctgc ctggctgttc 300
 atgaatgtct ggtgaaacaa tgaccctccc tcacatt 337

<210> 8985
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220098g08d1
 <400> 8985

cagaatacac aattgcatac ctgcaatata tataggggta caaatcaa caggaggcag 60
 gaatcctatc acagcaggat taaaaaacga aaaccacact aagattgttt tctactcgct 120
 aattgctaataacgaagc acatgcgatt tagatgcact ttctataaat aatatcatac 180
 tataacaatg gaaatacaaaa cctacaacat tcggcaacag ttgactaggt tgtaaaaaa 240
 gcacactatg taaccaaccc actattgttt tttttaaaata gaaaatcaat cttatcggtt 300
 gatatgtcat tcccaatgag acttctctga attatgttgt ctcaaacca ccacctatct 360
 gcatatgcag ccaccagga tgtgatgatc cctgagcata ccccttgct gcttgtgatc 420
 caaataccat tccagcaatg tcaaattggct gaggaccaac atcttngaa ggaaacccat 480

caatagt

487

<210> 8986
<211> 221
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220098g09d1

<400> 8986

agagtagcac tatttcacta ncagntatac nctcttacag aattagatta ccatactcac 60
tattctgact accgaccttc cggggtgggt gttttgtttt ttttatattt taaaacaccc 120
ccactataat aattagggag aatgggtatt ctttattcac actgtggcac tgtccacccc 180
tttttgggtt attatcaata atcatataat aacttctagc c 221

<210> 8987
<211> 632
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220098g11d1

<400> 8987

gatcgaccgt gcacgagtat cgagcatatc ttgtaagnga actgtaccca ggtgcctgta 60
caccgggtgt caaatcgcgg caaatgggag taaaccctaa ctggcaagtg tgtcaatcgg 120
ttacgctact tgatacaaat aggttaccgc cgccgttacc ggttgtacta cagacaatta 180
caattgtacg ccggacgcct ggagccaaca aatgcaacca tggcagccag caggggtaac 240
ccggcaccct tacaagctac aagcacgata accaaattcg ccaatcaacc gatgggatta 300
gaataccaca aaacctgcag caacatatta gacacaatgg cagagtaacg ccacaaacgc 360
acacggggtg gtacaccctc aggtaccaat aaccaccccc gtacagaagc catattagag 420
tccacaggta acacacatat cagctgcgga accacagaca caacaagggc aggcactgct 480
agtagcgcgg gagccatagc ctactgtggc gacacgtgta ccggaataat ggagtgatag 540
acacacgtag cgcctatagc taacggtggg gcgcacacaa ctatgcacta agggcacatc 600
tgacacacga gtaaacacgg tgacaacgcc at 632

<400> 8988

<210>	8989
<211>	357
<212>	DNA
<213>	Glycine max

<400> 8989

<210>	8990
<211>	441
<212>	DNA
<213>	Glycine max

<400> 8990

4065

acgcgtacaa gaattgagga gtttgactaa gggcacacac ggaaagaagt agagaagata 120
 cgttgttaca cgttttacta cagtgaagag gatggaagag gccaaagaga gactctcatg 180
 ctaacataat tgaccaccta acatattatt gctacaaatt gaggcaaaca cgttacttaa 240
 aagaacccta aacaccaaac ttcacgtact gttcttgctg taagatgagg cccacttgg 300
 caaagtaatt aagtaataat cgcactttta gcttaaataat tttggggcct cttttttttt 360
 ctttctcttt ggactcgatt cattattgct ttattctcac aactgctag ctatctcaat 420
 cacaggcaca tgaccatttt t 441

<210> 8991
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220098h06d1
 <400> 8991

aaacccttag taaaggttat agattacatt tcaaccacaa acatgttctc ccttgggggt 60
 caacaagaaa.tcaaatcaca caacaatttc tttccagcat ttaataataa cgctaaaatc 120
 actcactcat atacatatat attataagtt ataaatatac aaccacaaaa taaattcgag 180
 tcaactgaatg actttatcta cttcattaag cctcacatag aagatggaaa aggcccaaaa 240
 catgaaaata gtctt 255

<210> 8992
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220098h07d1
 <400> 8992

agaacatgtc tgttcctcgt atcncaataa aaattaaaag gaaaaactaa aaaaaggacg 60
 accttttttt tccttttttt ttttaatttta caatttctga ataaatataa ttccaattat 120
 aggggccaat ttatacttta tacacacaag ccaccattc ccatgttaaa ttgttacaca 180
 agcatacaac aatgtcatga tttcctaagt ccacaaaatg aaagttaaaa gcccaattacc 240

tcataatact ag

252

<210> 8995

<211> 419

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098h10d1

<400> 8995

gcacgcagg tccgctctat tctgcacgta caagtccgcc ctgtcacttc agtcctgtca 60
 cggggaagag acagagatgc tataacacca caaatggcca ccaaaggcca aaaaagtaga 120
 ttgaagtacc ataataagcg acttgaaaga ttgagaggag cgatgaacaa gaataccaga 180
 gagagatact aagaaacaaa gaggtggata gaagccggac ttgagagtaa gtcgccccgc 240
 aattgccgcg gcaatttagc acaaagaaaa gttgagacaa atacggtgtt gtataaacac 300
 cacgggcggt aagtcagttt gcaaaggcat acaccaaacc gtgcagcacg cgcaagccta 360
 tgcctactca cgtgtagcca ccgcgtttga ccacacctg cagggtccg gtgcaattg 419

<210> 8996

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220098h11d1

<400> 8996

gtgactcccc gaggagtttg ccgtgctaca tgtgtgtagt acctccttct tggggggggg 60
 gggggggggg gggggggggg gggggggaac aatataatgg agggcagtgt ggaaaggagg 120
 gcaactagag gaggatggct aaaagggtta actagataga aaaaaaata aaataagaag 180
 gtagtaatgg ggtgggggtg ggaaggggtt acgcacaatg tcaaagttca atttataatg 240
 agtgcggacc ttaagccgta ctacaacaat tagggtaatg tgcaagtgga acggttggtg 300
 gcgattttta tggagggaag tcgggtgggc tgccagggat tgtgggaggt taagtacgct 360
 caacgccaag ttagaagaaa agaaccctg ctaataggcg gtttttcagt agcttacatt 420
 agaggtttgc catattgacc ttcaatcgca actttaaaat atacgttaat ccaaggttaa 480
 gtttcggaga atacttt 497

<210> 8997
 <211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220098h12d1

<400> 8997

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 ttttgcgggg tgcaggaatg tgggatatca gtggagtgat caagaagaaa aaaggaaggt 120
 tgtaaggcag gtgggcgcct ccgcggtcag tccgattgct agtgtggtgg ggttaccggg 180
 ccacaagcac ggtgcgctaa ccattacggc gcgctttggt gcgttcgctt aaataacgac 240
 ccggtgctac taggttaagc aggcccttac gcaaaagcaa tcggacatct agttcaacgc 300
 aaggggcccc gtgtaagcct cttaacctga aatttccggg gtgggtggct tagagaaata 360
 tctcaaacgc taacatgcgc taggcgatgg ggaatgtatt tgttaagcat acgccaacga 420
 ttctgcataa gggtaagcaa aaacagcaac aggagcggag ggtgacgcga aggcaactgc 480
 ggcnacgcaa cacgccacta cagccgggta gaagtaaaag c 521

<210> 8998
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099a01a1

<400> 8998

gatgactagg actagcgtga tctatcgcta gtaatgtgcc agagtcctgt cacactgtgc 60
 tgcggtttca gatgggccag aggcttggct agtttggtcg taggagcccc gtgtgtgcgt 120
 ggctactccg acgcagtaaa tgtaagggcc ggcacattgg gtgaaaagca ctctggcggt 180
 ggggctaggg tctat 195

<210> 8999
 <211> 566
 <212> DNA
 <213> Glycine max

0954113-032200

<223> Clone ID: jC-gmf102220099a01d1

<400> 8999

caaataaaaa attgccagtg agtctgacaa ggaaacagca ggcgagcggg gtgagcaatg 60
ccggagcttc cagaggtaga ggccgagagg agggccgttg agtataactg cgtcggaaag 120
aggataaaaa agtgcggttg cgcgatgat tctaagggtga tccatgggtg ctctccctcc 180
gacttccaag cttccgtcct cggcaagctc atcgtcgctg ctcaccgtaa gggaaagaac 240
atgtggcttc aacttgattc tcttcctttt ccttccttcc aattcggtat ggctgggtgct 300
atatacatta aaggagctgc agtaacaaac tataaaagggt ctgctgtaaa agacgaggat 360
gagtggccct caaaatattc aaaaattttc attgagttag atgatgggtt ggagttgtct 420
ttcactgaca aaaggcgatt tgctaaagtt cgtctgctca aagatccgac atcagtgcct 480
tccatatccg agcttggtcc tgatgcactt ttccgaaccta tgacacttga gaagtttacg 540
gagtctttgc acaagaagaa aactga 566

<210> 9000

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220099a03a1

<400> 9000

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tcatgttggt gctcaagcac gaggaggtaa gaggggccgg cccggcaagt ttccccggca 120
actcggctac atagtatcct gaggtgaaca ctctgtctg tttgtaggta gcgttcagtg 180
cgatcatcca ccatcccgac ggctcgaatg cttcgggaatt tgggtcttcta tccgcccgcg 240
ccactgggct tgggtgcaacc tccgactttg gtacatggct gtggttgtct gccgccgcgc 300
gttggtgacg ggtggtatgt ggggtaggat ggggacttgc tagacgggga aagatcaaatt 360
aggaaatact catgggagca tgacggaaca gtattcgcgt ggtggtggtg gtggtggtgg 420
tgggtggtgat gatgatgatg atgatggggg tgttatagaa gcagctgtac aagtaacaac 480
cggtttatgc gtcgggttat 500

<210> 9001

<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099a03d1

<400> 9001

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acacatgggg ggatgtgtcc aacaagagaa caacaaatgc aacaaaaatc aaaaacagag 120
aaaaacaact tgtagcttta ttacacaca gggagaccaa agaaaaagcg gttcagaaaa 180
ctccaccagc catggaagga atgtcatcaa agcaccaaag gttcatgagg tttccaccat 240
cctgagttgt gtcaccagat agcaaggatt ccaatgaagt atcgccccag ctcccttcaa 300
gataaggcat ctgaaagaac ttcaactcag attcaatatc cacaagctcc tcagagagtg 360
tctttgcaga atcatcttca atagatacca cattctgaga gttaggctgc tgctggttgg 420
cattttgcac aaaatgagat tcacaatcca aaggagcaga aagcatggat gagatctcag 480
gagcataatc aanatgaata ctcccttgat ctgaactgaa gtaaagggtt gcatcatc 538

<210> 9002
<211> 157
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099a04d1

<400> 9002

tcctatccta ctccctccac tcttatatac tgattcctta ctatagtatt aaatcctgac 60
ttattctcta taacttcatt tcttcataca ctaaaccctta ttctaagata tcttacttct 120
ataatatctc agcctgttgt gtgagacggt ccggaat 157

<210> 9003
<211> 589
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099a06a1

<400> 9003

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 ggtgtcaaat cgcgcaaagt tagaaaccct aactggcaag tgtgtcaatc ggttaagcta 120
 cttaatacaa ataggttacc cgcgccgtta ccggttgtag tacagacaat tacaattgta 180
 cgccgggacgc ctggacccaa caaatgcaac catggcagcc agcaggggta acccggcacc 240
 cttacaagct acaagcacga taaccaaatt cgccaatcaa ccgatggtat tagaatacca 300
 caaaacctgc agcaacatat tagacacaat ggcagagtaa cgccacaaac gcacacgggg 360
 tggtagaccc tcaggtacca ataaccacc ccgtacagaa gccatattag agtccacagg 420
 taacacacat atcagctgcg gaaccacaga cacaacaagg gcaggcactg ctagtancgc 480
 gggggccata gcctactgtg gcgacacgtg taaccgtaat aatggaataa tagacacacg 540
 tagcgctat agctaacggt ggggcgaca aacactatgc actaatggt 589

<210> 9004
 <211> 542
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099a06d1

 <400> 9004

ggcactgatt cttcattgaa tcatggaatg acaccaaca taggcgactc gggtttctctg 60
 cattgtccgg aagatgcagg acaaggaaac cactgaaca aaacctttgt gaaggtttat 120
 aagtcagggt cttttggaag gtcattggat atcaccaa atcagcagcta ccatgagctg 180
 cgtggtgaac tcgctcgaat gtttggcctt gaaggcgagt tggaggaccc tgtgagatca 240
 ggctggcagc ttgtatttgt agaccgagag aatgatgttc ttctccttgg tgatggcccc 300
 tggccggaat tcgtaaatag tgtatggtgc ataaagatac tttctcctag gaagtgcagc 360
 aaatgggcaa caatggcctt gagctgttga actcggttcc aaatcaaagg ctctctaagt 420
 gcatctgtga tgactatgtg agccgtcaag acccaagaaa tttaagcact gggataacaa 480
 ctggggngtc tttagactac taatagtctg tacttcttct atcatgttta atattattac 540
 cc 542

<210> 9005
 <211> 501

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099a07a1

<400> 9005

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agtacactgt gactactgtc gatctatgga tagccaatgt acccaagtac ctgtacactg   60
ggtaggatta attgtataat ataattttgg gtgtgggtgtg gtttaaggata aagtttggtg  120
gtgtgtgtgt gtgtgggagg tgtagggtat aatgtagtaa gttttgtgtg tgtgtgttta  180
aatctaaaat tgaactagcc tgtacaacct ttacaaaaat catatgcacg ggaaccgttt  240
tcaatttagt agtaattttg ctattattat tattattatt attattgtca gggttcaatt  300
ggtgacaggt ggtcagctaa ttatttttct tatggtagtc tctgttttaa actcagtttg  360
tttgtgtcat caccaagtgt acatccatta aatcatcgtg gtgcacttta aatctcttcg  420
caattctgct gttcctgctt cctcctctcg cccatgtatc ccaggttccg cttctgctcc  480
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<210> 9006
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099a07d1

<400> 9006

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cggctcgagt ttgaatcaag ggtgagggcc ttccatggct tccgcttggt cttcctctgc   60
aattacagct gttgccatct ctacgccgag ttccgggcag aagaatggat caggaggttg  120
ttttcttagt ggaaggaaat tgagggtgaa aaaggagaga gcagcaattg gaggacgatc  180
gatgggcact acagtgtgcg cagttgctga gcctgacaga cctctatggt tcccaggcag  240
caccctcct ccatggcttg atggcactct acctggagac ttcggctttg accctcttgg  300
tcttgatct gacccggaga gtctgagatg gaatgttcag gcagagctag tgactgcag  360
atgggcaatg ttgggtgctg ctggcatttt cattccagaa ttcctaacia agattgggtg  420
cttgaacact cttcatgggt actcagctgg agagctggaa tacttcacgg acactactac  480
cctcttcata gttgagctct ttntcattgg ctgggccgag ggtagaagat gggctgacat  540

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aatcaagcca ggctgtgtca acac

564

<210> 9007
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099a08a1
 <400> 9007

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 cggccgttta acaacacccg taggataggc tcgtaagttt gttggaacta catggtgtcg 120
 cggctgtggc accacagtaa atgtaacggg agtcagattg tggtaaaccg gccctagccg 180
 tctggttaca ttatatacca caactacaac ggtggggccat cttgtaaact agaaggagcg 240
 gaaggccagc caaagctgcc aagggtgaggg ccggcttagt atggagaaat gggcgacgcc 300
 ggggtgcaggg gcagaggaag ccaggtggtc ccgacgcacg ggggggggtg ttgaaccgcc 360
 ctttaattggg gcgggtaccc aacatgcagt cggcagggtg aaggggcggg agcacgggag 420
 tgaaaaaaaa aaaaaaaaaa accctcgctc ttcatgacgc actgtcgtca tttcccaagg 480
 aaggttccat tc 492

<210> 9008
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099a09a1
 <400> 9008

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 acgcctacga ggaccgccta gtattcaacg ctaccactg ctttaactc gtcacagtaa 120
 taagtgtctg tctgggctgc gacaccaata aaataaaaca cacaaggtag ggtgccacgg 180
 gcgcacccgc aggacgctaa actactaacg ccggctgcca cgcaaggatg atagaatagg 240
 ccaactaaaa cagccgcaca ggaaaaagca cgagaaactc aaccgggccc acaccaagt 300
 ttaacacggc tgacaaggta acttaatagg accgctacca cctagtagtc agcgcttgcc 360
 cctgcttaat actagtcaca gtcattagtg tctgtctggg ctgcgacacc aataaaataa 420

aacacacaag gtccggtgcc acggccgcaa ccgcaggacg ctaaacaat aacgccggct 480
 gccaaagcaag gatgatagaa taggcgcact aaaacagccg cgcaggaaaa aacacgagca 540
 actcaacagg cccgcaaccc 560

<210> 9009
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099a10a1
 <400> 9009

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 agaagagaat acgggcgtcg tacgatcacg gaggcgagac gaaggaagaa ctgaccggga 180
 aacggcgggt tgggccgcta gccaggaggt aggaagcaca gtaagcgcaa cgggcgggaa 240
 aaaaaaaaaa aaaaccctcc ttcttcatga cgcactgtcg tcatttccca aggaaggttc 300
 cattccgatt gctacctoga ttactgggtt tgagacgcac gtcgaggaca ctggcctcga 360
 agtagccgta gactgcgggt tgccgcgcaa ggcggagttc tgtataaggt tatataatag 420
 atcacttcca actagaaacg cgaaacttgc cccgcttgaa gcacgcactg aatgtatagg 480
 aaggctcggc tct 493

<210> 9010
 <211> 162
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099a10d1
 <400> 9010

acctttcgca aattactgca tactcataat atatgttaat gagtatttct aattagattt 60
 tcctaacatt aatatttttc tgctatatta atatagtata ctataaatat tattctctac 120
 aatataacaa attagtatcg actgtatcag acggtacgga aa 162

<210> 9011
 <211> 470
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220099a11a1

<400> 9011

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cattgtccgg aagatgcagg acaaggaaac ccactgaaca aaacctttgt gaaggtttat   120
aagtcagggt cctttggaag gtcattggat atcaccaa atcagcagcta ccatgagctg   180
cgtggtgaac tcgctcgaat gtttggcctt gaaggcgagt tggaggaccc tgtgagatca   240
ggctggcagc ttgtatttgt agaccgagag aatgatgttc ttctccttgg tgatggcccc   300
tggccggaat tcgtaa atag tgtatggtgc ataaagatac tttctcctca ggaagtgcag   360
caa atgggca acaatggcct tgagctgttg aactcggttc caaatcaaag gctctcta at   420
ggcatctgtg atgactatgt gagccgtcaa gaccccnaga aattaagcac               470
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<210> 9012

<211> 386

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220099a11d1

<400> 9012

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gctcagcaaa aatagataat atattaattg agtaccagag gtactaaata taaaacggg   60
gcattataag accacagacc aatggttcca ttgtcagact aatgtagtct tgatggaaac   120
cagagcctag attacatgtg accagtattt tgcacctata cattgtactg tcgacaacta   180
atacaciaaac cctgatctaa gattgctgga ccaatgattg tagctgatgc tgaaatcctt   240
ctctaagtgc cgaagccacg tccacaataa aaaagatgca tcttccatga ttttattagc   300
atcaa atgat tagaccaatt ctctaagcta ctgcaatact aagcatgacc ttccaacata   360
attagaccaa tgggagttaa ttttagc               386
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<210> 9013

<211> 585

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220099a12a1

<400> 9013

cggtctgagt ttgaatcaag ggtgagggcc ttccatggct tccgcttggt cttcctgtgc 60
aattacagct gttgccatct ctacgccgag ttccgggcag aagaatggat caggaggttg 120
ttttcttagt ggaaggaaat tgagggtgaa aaaggagaga gcagcaattg gaggacgac 180
gatgggcact acagtgtgcg cagttgctga gcctgacaga cctctatggg tcccaggcag 240
caccctcct ccatggcttg atggcactct acctggagac ttccggcttg accctcttg 300
tcttgatct gaccggaga gtctgagatg gaatgttcag gcagagctag tgcactgcag 360
atgggcaatg ttgggtgctg ctggcatttt cattccagaa ttctaaca agattggtgt 420
cttgaacact cttcatggg actcagctgg agagctggaa tacttcacgg aactactac 480
cctcttcatt agtgagctct ttttcattgg ctgggccgag ggtagaagat gggctgacat 540
aatcaagcca ggctgtgtca aactgaccc catcttttcc acaac 585

<210> 9014

<211> 545

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220099a12d1

<400> 9014

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accttgaaaa gcagcaaatg gctcgtataa cttcatattc aaggctcgaa gaccatgctc 180
tctgcttctc gcttcacgga ttcaaagagc acagatgata aataacgctc tccaaagctt 240
gggaagaccg caataatgag ttttccagca ttttctggcc tctttgctat cttaattgca 300
gcagctgcag ctgcaccaga tgatattccc accagcaaac cttctttcaa agcaagaagt 360
ttagcagttc caatggcttc ttcacttgaa atttgaacaa cttcatcaag taaatcgaca 420
tccagaacac cagggatgaa gccagcacca attccttgga tcttatgagg gccaggtttt 480
cctccagaca gaattggact ttctactggg tcaatgccat atagcttaat ataaggggtc 540
tgatc 545

<210> 9015
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099b01a1

<400> 9015

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 agtghtaattc tagtcgccag cctgcgcggc ttaaaccggct gctcaactga caaagcagcc 180
 aattggctgt tacgcgtaaa cataccagac ccgagactag caggcgacag ctgcaccaca 240
 aaccatgtag tatattcccg caaacgcggt gtaggcactt gatgacgcca aatatgccta 300
 gaccgggctt aggtagccta ctgctgaacc cggagaaatg gaggagaatt agcttggtgg 360
 tcagcacgtg tcaaacaaca attaggtggc cactggggcc actgcacgga cgttgtatgc 420
 agtttcttaa aacgagcaaa ccactgcggt acaagctaca acacaggtcc cagaacatgt 480
 taaaggtgga gaggtggtac taagggcaa 509

<210> 9016
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099b01d1

<400> 9016

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 cgacgccttc atccgcggcc tcttcaacga gctcgacacc gtccgctcca aggcccacgc 180
 cgccgacatc aacgccgagc agaactgcct tctcatcgag cagaagtatc tctccctcac 240
 cgccgagttc tccaaactcg agtcgaacat cgccgaactt caatcctctc tcgatcagcg 300
 cctccgcgaa atcgacgagg tgcaatcgca gaaccaccga atcaaattgg aagcggttga 360
 gaaagatagg gagatagagc ggttgaggac ggaggtggcg gagttgcaca agtcgaagag 420
 gcagttgctt gagttgaacg agcagaagga tttggagcta agtgagaaga atgcaaccat 480
 gaagagttat cttgataaga ctgttcgttt aagtgaataat gctgctcat 529

<210> 9017
 <211> 638
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099b02a1

<400> 9017

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 caaagaagag tctaagtctg caataagcgg agggaataaa accagtcatt atagagaaaa 180
 ataatttaat gttaagtagt agtattatcg ttactaaaag ataggtaaaa ctgagtgaag 240
 aagggcacca atttatacgc ctctaggaca aattagcatt agacaaggga gcacacaaag 300
 aggagcccta ttcgcttggtg ttaataagtt ttaaaatcgg ctggatctgg tactaaattt 360
 aactgtacaa actggggccg cacttgtaat cgaagtactc aagaagctag tggtagatca 420
 gctagagggc gtaatagcat cctgcgatat atccgtgcat gaatagcttg tgcagtaacc 480
 gatgcaaaac tagcggattt agctataact gcggcagatg caactgcagc taacgccgca 540
 caatggagtg ttgaaagtga ataagagata cgtcttgaaa ggtgtgaaca ggtacagtta 600
 ctgcattggg gtattaccaa cgtgctagta gcagcaga 638

<210> 9018
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099b03a1

<400> 9018

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 ggggcaaagg atggctagac agacagaagt agcctgagca gcaaatecgt gctgggtgtg 180
 ctctgggtctg tgtggagggt tgtagttggt attggtatta caaattggta gcttgtaccg 240
 caaaacaaca acaggccccc cgcggtgata aaccaagca agagctgaaa ggcaagttaa 300
 aggggcggcc agcgcgga cgcctaggcc caagatcgca cgctgcca gtatacccg 360

agtagcatag gcgtatgcag cataaacaac cattgcaggt gcaatggcac aaatataggt 420
 tacagctata gcgtagtaga gtgatgttag gttattttct tgagcgtatt ctacaaacaa 480
 ggaacaaact taaaaagggc cactgctggg gcatgctgcc taggccggtg cagtagcggc 540
 agtgtaaact gctactgctg ct 562

<210> 9019
 <211> 614
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099b03d1

<400> 9019
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 cctccccccc ggggcaccca aagggggaaa cctctcaaaa aaagggccaa cccccaccgg 120
 ccgccccccg accccccccc ccccaaaacc caaaaggaa atgctcccgc caacaaaaca 180
 ccgcggcgaa agagggggcc tccggccccg caggacaaaa agcctccaaa agagggcccc 240
 ccccccccaa aacacctagg gggaggggag gcaccccggg gaaaaaaaaac accccccggg 300
 gggaaaaaac ccacaaaggg ggccccaaaa aaacccccac aaaaagggcc cccgggaccc 360
 cccggggggg ggcaccgggg gcccccccaa aaacgggggg gggccagaag agaccctggg 420
 aaacaccggc cccactggg gggcgggggc ccccccgaaa aaaaaacgcc cccccggggg 480
 gccctcaacc ccggggcccc ccccccccc gcgagaaagg ggcgggcccc ccccccggg 540
 ccgcgcgaaa caaaaccacc gggggggcat ccacaccggc ccccccccg agagaaaaca 600
 ccggtcccc cccc 614

<210> 9020
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099b04a1

<400> 9020
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agagccaaaa aagtagatag aagtaccaa ataggtgact tgaaggattg agaggagcga 180
 taaagaagaa aaccacagag ggatactaag aaaaaaagag gtggatagta gcgtacttga 240
 gagtaagtcg ccccgcaatt gccgcggcaa tttagcacia agaaaaattg acacaaatac 300
 gatttgtata aacaccacgg gcgataaggc agtttgcataa ggcatacacc aaacctgcag 360
 caacgcaagc ctatgcctac tcacggggccg ccgcccgcgt ttaaccacac ctgcaggggt 420
 ccggtgcaat tgaaccttaa gcaaaccata agaacaaccc aaagtccgct aacaaagccg 480
 caagcaactg tgcacatcac gttttaagat gcagcccaat aaaaagaggc agagccgtaa 540
 gtaaagttc 549

<210> 9021
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099b04d1

<400> 9021
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 ttttttattt ttcagatcca taagagaaaa aatagatata caaccaagg agagaatgca 120
 acttgaaaag cagcaaatgg ctctgtataac ttcattattca aggtctgaag accatgctct 180
 ctgcttctcg cttcacggat tcaaagagca cagatgataa ataacgctct ccaaagcttg 240
 ggaagaccgc aataatgagt tttccagcat tttctggcct ctttgctatc ttaattgcag 300
 cagctgcagc tgcaccagat gatattccca ccagcaaacc ttctttcaaa gcaagaagtt 360
 tagcagtttc aatggcttct tcaactgaaa tttgaacaac ttcattcaagt aaatcgacat 420
 ccagaacacc agggatgaag ccagcaccaa ttccttggat cttatgaggg ccaggttntc 480
 ctccagacag tattggactt tctactggtt caatgccata tagctntata tcagggttct 540
 gatctt 546

<210> 9022
 <211> 552
 <212> DNA
 <213> Glycine max

002350"CTT560

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099b05a1

<400> 9022

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aatgggaaa ccctaactgg caagtgtgtc aatcggttaa gctacttagt acaaataagg 120
taccgcgccc gttaccggtt gtactacaga caattacaat tgtacgccgg acgcctggac 180
ccaacaaatg caagcatggc agccagcagg tgcaaccggg cacccttaca ggctacaagc 240
acgataacca aattcgccaa tcaaccgatg ggattagaat accacaaaac ctgcagcaac 300
atattagaca caatggcaga gtagcgccac aaacgcacac ggggtggtac accctcaggt 360
agcaataacc caccctgtac agaagccata ttagagagca caggtaacac acatatcagc 420
tgccggacca cagacacaac aacggcaggc actgctagta acgcggtggc catagcctac 480
tatggcgaca cgtgtagccg tcataatgga tagtagacac acgtagcgcc tatagctaac 540
ngtggggcgc ac 552

<210> 9023
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099b06a1

<400> 9023

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cttttccgct tacggtgcgc acgacagtgc cgtccgttaa catttgaatg ttagtaaagt 180
gccaacactg tggggtgctg cacaggggtg gcgtgttttc cgaggtgcag ttactacttc 240
cgggtgcgcgg ggttttgatg tataaagtac tgcggtgtaa gtacgggtaa tactgttaaa 300
cgagcggagt attgagaaag atgaagggtc gcgtgttgaa caagcggcac tagttgtggg 360
ggtacctggt ggggcccgct gtgttggtgc caaccagcgt attaacaacg cggcaattaa 420
gtgtgttaag cacgctgtcg ggagtgctag ggctgtactc acacaaatac tactaatact 480
gctctacgcg gacggtaaca cattggccgc ttaatagc 518

<210> 9024
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099b06d1

<400> 9024

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caaataaaaa attgccagtg agtctgacaa ggaaacagca ggcgagcgga gtgagcaatg   60
ccggagcttc cagaggtaga ggcggcgagg agggccgttg agtataactg cgtcggaaag  120
aggataaaaa agtgcggttg cgccgatgat tctaaggatga tccatggtgt ctctccctcc  180
gacttccaag cttccgtcct cggaagctc atcgctcgctg ctcaccgtaa gggaaagaac  240
atgtggcttc aacttgattc tcctcctttt ccttccttcc aattcggtat ggctgggtgct  300
atatacatta aaggagctgc agtaacaaac tataaaaggt ctgctgtaaa agacgaggat  360
gagtggccct caaaatattc aaaaattttc attgagttag atgatggttt ggagttgtct  420
ttcactgaca aaaggcgatt tgctaaagtt cgtctgctca aagatccgac atcagtgcct  480
tccatatccg agcttggtcc tgatgcactt ttcgaaacct tgacacttga gaagtttacg  540
gagtctttgc acaagaagaa aactgaaat                                     569

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<210> 9025
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099b07a1

<400> 9025

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atatatatat actaaatggg tgagtgtagt aagctagcta ggggataacc ataatatgag  180
agaggagctc ggctgcataa gccgctagga gttagccgac gacgagatca taggctgact  240
gactaggtag gtgtcactgc atgcgaaggt tttgtcactt caaggttcac tggatcgatc  300
tcgctagctc atcggtagat ctgtggtgag acgcgtattg aaaggtaagg tatgccttcg  360
tcggggataa tcgtcacatg cccaaaattt gcctcggtatt taatggaagt cttgggtact  420

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atagtttttg ggtcttactg cctcgaagac tcaacacctt tctattcagt ctttggttta 480
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 cccgcgccg 549

<210> 9026
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099b07d1
 <400> 9026

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 ctccaggagg atccctcgct cgtcaaggcc agggactacg acaaccgaac gccgctccat 180
 gtggcgctccc tccacggctg gatcgacgtc gccacgtgcc tcatcgagtt cggcgccgac 240
 gtcaacgcgc aagatcgctg gaaaaacacc cctctggcgg atgcggaagg agctaagaag 300
 agtaatgtga tcgagctctt gcaatcgcat ggaggattgt cttttgggca aaatggaagc 360
 catttcgagc cgaagccggt agc 383

<210> 9027
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099b08a1
 <400> 9027

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 tactctatgc tctaattcgc tggtaggcct tcttccacga cccgcgggcy tccgccttcc 180
 tattgttgggt gcctctgttg tggctgtatt caactctgtg ggcttaggta tagctggcac 240
 tagggtggtt cagatgtcga ggaaccaaac gcggtaaatg caaccgctat tgctcctggg 300
 ccattagag gtgtaactaa gtaaagttaa taattggagg gggcgctgac cgcggtggcc 360
 ttggcggttt cacataccca acggtcgagt gcagcagcgg caacattaaa tgcaatactg 420

gtggaaaaat agcccccaaa ggtggaaact tccgccgctg actgatgtcg ttcggcggaa 480
cataataagg agcggcctgc 500

<210> 9028
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099b09a1

<400> 9028

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ccaaccggca accgccgcaa caaatatta ttcgtatttg aattggtcgg aaggagatat 120
tattattatt attgggccgg gcgacacagt caaagaagta ataataacca gggaaaaaat 180
tagtccta at tgcagggca cggagaatag taagcagggg taatgcgttg taattataag 240
gcaaagtata gtccaggcta gggcggtcga agggagtatc agaggaagta atttagttaa 300
attcggagct aatgcgaatt cagtaataac cgaacacacc ccaaagcac ccgagggaaa 360
acacttacgc cacttagtaa ccataccaat actagagccc ggctcaaagg tgtattagac 420
ccgctaggtt ataatttgca gcgacaaatt cgcagaagta aacctatagc ttatcatcag 480
tactataggc aggtaaacaa tgcgtacaca cg 512

<210> 9029
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099b10a1

<400> 9029

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cggttggtggg gggcaggggtg tgggcgacaa gtcaagtcac ggaagggggc agtcgcgcac 180
gcgttcagt gcaaagttat aataataagc cgcacaccag gctgtaataa ctgtcgtgtg 240
tctgtttgtg tccgtcttcc aaaagcctac tataagtaat gttcttcttg taatagttat 300

cacgattacc cgctgcaagg cagcactaaa tatccacgta atcgggttcac acctcgcttg 360
 cgggttggtgc ggcaacacct taaaaaccgt agtaaccatt ggggtttgaa gcaaaagcac 420
 ggccgcccga acacgtaaag gggacttcct ccatcaacgg gcccaatgng taaaactcct 480
 tggaacccaa cacgctatag gcggaacatg cattancggg cacatagact gcccaacagc 540
 tggcc 545

<210> 9030
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099b11a1
 <400> 9030

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 aggataaaaa agtgcgttgt cgccgatgat tctaaggtag tccatggtgt ctctccctcc 180
 gacttccaag cttccgtcct cggcaagctc atcgtcgctg ctcaccgtaa gggaaagaac 240
 atgtggcttc aacttgattc tcctcctttt cctcccttcc aattcggtat ggctggtgct 300
 atatacatta aaggagctgc agtaacaaac tataaaaggc ctgctgtaaa agacgaggat 360
 gagtggccct caaaatattc aaaaatnttt attgagttag atgatgggtt ggagttgtct 420
 ttcactgaca aa 432

<210> 9031
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099b12a1
 <400> 9031

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 ctccaggagg atccctcgct cgtcaaggcc agggactacg acaaccgaac gccgctccat 180

gtggcgctccc tccacggctg gatcgacgtc gccacgtgcc tcacgcagtt cggcgcgcgac 240
 gtcaacgcgc aagatcgctg gaaaaacacc cctctggcgg atgcggaagg agctaagaag 300
 agtaatgtga tcgagctctt gcaatcgcat ggaggattgt cttttgggca aaatggaagc 360
 catttcgagc cgaagccggt agcgccgccc ttgccgaaca agtgtgaatg gaanganannn 420
 anccttcna nctcgacttc tccaactcgg tgcgaatcgg atagggttct tttggtgaga 480
 ttttaaaagc ccaatggcgt ggaacaccag ttgctggtaa acgta 525

<210> 9032
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099b12d1
 <400> 9032

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 gaaattgttc tttgtcgga ggaaagctac cagattgacc aagaaaaatc attacaatga 120
 gtatattcac tttgaacaaa aaattctatc taataaccgt aaaaaaaaaa aacaactacc 180
 ctgactcggt acagaccaac ttcgattggt agtattcgta tattataagg cctaaaatga 240
 ggcatgtctg ggccattgca ttcttcaaac aaacaatcaa acattcatta aagccttctc 300
 atgttgagct tctctgaata ctctataaac tcaacaagga caccgatagg tcaaaagttc 360
 tagctggaaa gatcatatTT gtgcactgaa gtacatatcc ataaagtttc taaaaggatt 420
 gaaaccctt aaaatcaaaa ttggagaaag gacaaatccc atctcaattg ggtacacgaa 480
 aaaagtggtc ctctcaaaa aagggagaac atcataacct a 521

<210> 9033
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099c01a1
 <400> 9033

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 ccacacacac acccacaac acaaccacag tctatggaat atagtatata ctaacacaaa 120

cacgaagaca agtcgccggt cgggctacaa caacaccgga acacaaccac gcattcaact 180
 caacagcgga ttaatactgg ttaaaccatc ggtggtggtg gttgttggtg ttgttggtggt 240
 tgtgtcattg aataagttta gctgctggtt tgattgttct acaagtagta acgcctaata 300
 aagccagagg caagagatgg gggcctaaag ctggtagtga gcgatagtat tcaaaccggcg 360
 tgagtactag atgaaagagt ataaataaat taacaagtaa gccctatcgc agcatttgct 420
 agggcgggcgc agtgctgcgt gttggggcct acggctaatag gg 462

<210> 9034
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099c01d1
 <400> 9034

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 gccttatgat tttagcactt gggaattgtg gtcttaaagg ccatattcct tcttggttat 180
 ccaattgcag gaagttggca gttcttgact tgtcttgga ccaattgaat ggtagtggtc 240
 cttcttggtat tggtcagatg gacagcttgt tctatttgga tttctcaaat aattctctca 300
 caggagaaat accaaaaggt ctggcagagt tgaagggcct catgtgctgc aactgtaata 360
 gagaaaacct tgctgctttt gcattcattc ctctctttgt taagagaaac acaagtgtaa 420
 gtggactgca atataaccag gcatcaagtt tccctccttc aattctcttg agcaataaca 480
 tattgagtgg gaatatatgg ccttgaattg gtcaattgaa agcactgcat gtcttggtatt 540
 taagcagaaa caa 553

<210> 9035
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099c02a1
 <400> 9035

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ggtagggggg agagaactag agagcagcag agattagaca agagattcag gcgcgagata 120
 aacctagtga ctacacagac aaacggaggc aacctaggt tgatgaactt acgctttggc 180
 aggttagaga gtagataggt gaggacgatt aagatccaga ggagtaataa agaggtgacg 240
 tgaacgaccg atgctagggc aaaggcgtaa gcgaggcagt gggtagcagt aatggaaagg 300
 aggtgcacta gatgagacca tagaaaacca agctagttgt gcaaggagtg tacagcgtgc 360
 ttaagctcag gcaagtagat ggcggaatga aggcaacgcg taagtagcca ggagtgggat 420
 gaatacaact tgcgcaagtg tgcgtacagc tgatatcggt acgtggtagc acgcctagtg 480
 cagcaagcgc tgtgtttgta gagcgaccta taaagcagtg tcccatagtg aggctgtg 538

<210> 9036
 <211> 337
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220099c02d1

 <400> 9036

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 cccccccccc ctcaaaaaaa aggggggggg cccccccccc ttggttttga aaaaccccgg 180
 gtttcccccc caaaaatggg tcccccccaa aaaaagaaaa aaggcccccc ttttgtccgt 240
 cccccccccc ttttttgggg ggggcccag ggccccctgg tttttggggg ggtttaaac 300
 cccccccccc aacaaaaaag ccgggggctc cccaagg 337

<210> 9037
 <211> 187
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220099c03d1

 <400> 9037

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0953113-032200

tattcatctt ctactngtaa catatactta taccctagcc ccggtcagtt ggngaccggg 180
ccggaat 187

<210> 9038
<211> 579
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099c04a1

<400> 9038

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ggcaacaact ccaacgtgca tggccatcgg catggtcacc tgcagggtac ccaggggaaa 120
catcaggtgc agagtcatca tcatcatcat cagtattaac gtaactttgg gctgggtctt 180
cttgtggtgt cgtgctgat cctactcaaa gtgcgcctag gttaaccgtc cctgcacaga 240
gtgctaaaga caaacaccaa caagtacgag accccaagtt cgtaatcggt tggcccgcaa 300
caagcccgtg tctgcgacag gtccccagtt aacaaacccc cggtcgctg cctggccaat 360
tggtaatatg ctgcaacaac tgctaact ggagcagctg caactatcca ccaggtcgcc 420
taacaaactt aaccgcaagg ggttgacact attaccgatg gtggtgcgaa aatcggttaa 480
ccgaaagtta taccaaaagt ggaacatgcg gtactttaag tgcccgtant acggtagcgt 540
gcctaataag tatagccagt gccgccaata caaattttg 579

<210> 9039
<211> 573
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099c04d1

<400> 9039

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gaggaaagct accagattga ccaagaaaaa tcattacaat gagtatattc atttgaacaa 120
atattctatc taataactgt aaaaaaaaaa acaactacc ctgactcgct acagtccaac 180
ttcgattggt agtagtagta tattagaagg cctaaatga ggcattgctg ggccattgca 240
ttcttcaaac aaacaatcaa acattcatta aagccttctc atgttgagcgt tctctgaata 300

ctctataaac tcaacaagga caccgatagg tcaaaagttc tagctggaat gatcatattt 360
 gtcgactgaa gtacatatc ataaagtatc tagaaggatt gaaaccactt aaaatcaaaa 420
 ttggagaaag gacaattacg attccaattg ggtacaggaa aaaggtgggc ctctccaaaa 480
 aaggcagaac atcataaacc taagaaatta gataatgata gtatgaagcg ccaaccatga 540
 acagcagatt tgacaagcat actggaatga aac 573

<210> 9040
 <211> 565
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099c05a1

<400> 9040

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 ggtaccgggt ccaacacacc gctgtgcaaa taacaggggg aaaacgccga agcttggtga 120
 acctagtccc aagtgtttga tccccaccaa ccacgatacc taaaccactt acctgcctgt 180
 gggtacaatt aattagcaac aaagtagtga ttgtgggtgcc cgtattaatt tacctgcccc 240
 tagtgattta caaaattaag ggacaacccg tagtaattta caggcttgta agtaaattgc 300
 acttagttat gtaccaagtg tttaaattcc taattcttaa ataaatagtc cttcatgagc 360
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 gaagtaaaaa agtggcccta cataggcttg tacaagtga gcagcaagtg caagtaaagg 480
 gataaataag cagttaaaag ctcgtaagca ttaaaatact tattaagatg aaacaaaaat 540
 gattgggact taaactgtaa atatt 565

<210> 9041
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220099c05d1

<400> 9041

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 tactaattag atcgctgaaa tcgagaaaga gaaacaaacc atagtactac tactaatttt 180
 gattaaggat ttgatctaata ataatataat ttcacgattt aattaaccgc agaagctgcc 240
 tcggtgtgtg agggacaaaa ggaggtggga gaagaaagag agagaagagg agagattgga 300
 aaagatgtca tcatcatcga actcgccgtg cgcggcgtgc aagtttctga ggcgaaagtg 360
 cacgcangag tgcgtgttcg cgccgtactt 390

<210> 9042
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099c06d1

<400> 9042
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 cgacgccttc atccgcggcc tcttcaacga gctcgacacc gtccgctcaa ggcccacggc 180
 cgcgacatta acgccgagca gaact 205

<210> 9043
 <211> 554
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099c07a1

<400> 9043
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 acccaaagaa gagtctaagt ctgcaataag cggaggggaat aaaaccagtc attataaaga 180
 aaaaataattt aatgttaagt agtagtatta tcgttactaa aagataggta aaactgagtg 240
 aaaaagggca ccaatttata cgcctctagg acaaattagc attagacaag ggagcacaca 300
 aagaggagcc ctattcgctt gtgttaataa gttttaaaat cggctggatc tggtagctaa 360
 ttttaactgta caaactgggg cgcacttgt aatcgaagta ctcaacaacc tagtggctcg 420

tcagctagag ggtgtaataa caacctccaa tataaccgta cataaaacgc ttggcgtaca 480
 accgactgca aacaacttgg tgggtgtatt atgtaataat gttggcaacg agcacggcgt 540
 caaaagacaa caga 554

<210> 9044
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099c08a1

<400> 9044

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 acacggtata gggggggcct tgggccaaata ggaagcgcaa gcgtgagact gatagcgagt 180
 cacaaggggg agagaacagg cgtacggtct atgtaaaaaa aaaaaaaaaa cctccttct 240
 tcatgacgca ctgtcgtcat ttccaagga aggttccatt ccgattgcta cctcgattac 300
 tgggtttgag acgcacgtcg aggacactgg cctcgaagta gccgtagact gcgggttgcg 360
 cgcaaaggcg gagttctgta taaggttata taatagatca cttccaacta gaaacgcgaa 420
 acttgccccg cttgaagcac gcactgaatg tataggaagg ctcgggtctg tatgctttct 480
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<210> 9045
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099c09a1

<400> 9045

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 acgtgtcaca gtggcgtaca gtccaatcta attctaattgc ttattcacag gctgggcgcg 180
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ctcctggtaa agcctacggg aacgcagaca agctcgcggg tgtttaaaag gctactaagc 300
 cggtaactaa gccagtagca cagaaaccaa gtgctgcaac tgaaggctcg gcacaaatag 360
 tatcacacca aacagacggg cacgcttaaa aatataaaaag gaaagctgcc tggcttacia 420
 caacacaagc acaaagtgca gtaccgggta acttttgtgc tgttatactt agtgcagtag 480
 cggatgcaaa actagcgtat ttagctatac ctgcagcaga tgcaacntgc agctacgccg 540
 cgca 544

<210> 9046
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220099c10a1
 <400> 9046

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 ctactgaagc catgtatgcc atggagacct ttggagggtgc cccactaac aaactgagag 300
 cggcctcagt actagcgtac tagcatgcaa ctgcagagat gacccacgag cactagtgcc 360
 gtaccggcac tgacgttact g 381

<210> 9047
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220099c10d1
 <400> 9047

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 aaaaatgggc ccccgggggg gaaaaaaaaa aatttggggg ggcccaaatt gggaaaaccc 180
 cccgaagggg gcaccccccc tttttcaaac ttttaaacc gggaaaaaaaa ctttttaaaa 240

aaaaagggcc cgccccgggg cccttggttaa aaaataaaaa aataaaaaat tctttaaaaa 300
 cccccccggg aagaacaaaa tgccgcccac caccaccaat ttgaaaaaa ggccaaaaag 360
 ggccacaaaa ataaaaa 377

<210> 9048
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220099c11a1
 <400> 9048

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 cgacgccttc atccgcggcc tcttcaacga gctcgacacc gtccgctcca agggccacgc 180
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 cgccgagttc tccaaactcg agtcgaacat cgccgaactt caatcctctc tcgatcagcg 300
 cctccgcgaa atcgacgagg tgcaatcgca gaaccaccga atcaaattgg aagcggttga 360
 gaaagatagg gagatagagc ggttgaggac cgaggtggcg gagttgcaca agtcgaagag 420
 gcagttgctt gagttgaacg agcagaagga tttggagcta agtgagaaga atgcaaccat 480
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 ctgagtga 548

<210> 9049
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220099c12a1
 <400> 9049

gctatggcga tttaattatt agtattattc ttattgttat ctccatttga ctactcgcct 60
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 tactaattag atcgcttgat cgaagaaaga gaaacaaacc atagtactac tactaattnt 180

gattagggat ttgatctaataaataataat ttcacgattt aattaaccgc agaagctgcc 240
 tcggtgtgtg agggacaaaa gtgagtgaga gagagagaga gagatcagga gagattggaa 300
 aagatgtcat aatcatcgaa ctgcccgtgc gcggcgtgca agtttctgag gcgaaagtgc 360
 acgcaagagt gcgtgttcgc gccgtacttt tcgcccggaca a 401

<210> 9050
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099d01a1

<400> 9050

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 acctatacga agcagacgta tcgtgtattg gttcacattt ggggtggcaa ccaaagtga 180
 agttattaaa agtggcttgg ggtggccgca acaataataa caacaagaag attaagaaga 240
 ataataataa gaagaagaaa gagaggaggc ggcggaagag gcggaggaaa aagagcatcc 300
 aacgctggta cggcttggtg gttgtaactg cggctctcgtc gttagcgccg acgtgtatat 360
 ttaagcagcc cgtctattta agggtttgga ggaatctgtt gtttatgcgc caacagtaaa 420
 cccgccaaag gcaacaacaa caacacaaac aaacccaaac ccacaaccag tactgggtga 480
 ggggcatttg gggcaggctg atcggtagca aagtgggcag gcccgctact attatgatag 540
 atggtgtggt ggtggtggtg gtggtggtta g 571

<210> 9051
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099d01d1

<400> 9051

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 acccgaatcc cttcgcacca gctcagcagc ggcctctacg tgtcgggtcg acccgaacaa 180

gtaaaagagc gtccgccgac gatgacgtca cgctctgttc cgtacaccgg cggcgacccc 240
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cgcccgctcg ctgggtcggg gagatccggg ccgaactcgg gcccggcggg agggaggctg 360
agcgggtcag ggcccatgtc gcgaaagtcg tccgggtcgg gtccgatagc gctgcagccc 420
acgggcctga taacgtcggg cccggtcggg agtcggcggt cgggtcagct ggagcagcct 480
gcagcgacgg cgggggggaa gatggtgtac gggtcggc 518

<210> 9052
<211> 89
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099d02d1

<400> 9052
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acatgccact taaacaaata atagaagac 89

<210> 9053
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099d03a1

<400> 9053
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taaacgagcg atatatacaa agataactaa cgcaaacggc aatggtaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaccctcct tcttcatgac gcaactgtcg catttcccaa ggaagggttc 180
attccgattg ctacctcgat tactgggttt gagaogcacg tcgaggacac tggcctcgaa 240
gtagccgtag actgcggggt gcgcgcaaag gcggagttct gtataagggt atataataga 300
tcacttcaa ctagaaacgc gaaacttgcc ccgcttgaag cacgcactga atgtatagga 360
aggctcggct ctgtatgctt tctgggttac gtcccaaatt gcgtcgctta ctgctaggaa 420
gcaagtcctt aatctctccc cacacctccg ggctcgaggc cctcttacct gccgggggtg 480
gggtattacg cacatcccta atactgcagg ctttg 515

<210> 9054
<211> 562
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099d04a1

<400> 9054

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cgggtcgggtg ggggtttatt taaggtagcg ggtgtaaagc ctgtcgatca actaaatcct 120
gtctaacggtt attcctccta acctcttata gaactactgc cttattaacc tcctgtcgaa 180
cgtgctgttc ctgattcctc ctgcacaaca cttctataca gggtcgttcc caattcgact 240
ctgttctcac agttccaacg attacaacac tatccaatgg tgcagttcca actgtttcgg 300
ttactcaggc cgttcgcaca gtctctacca tggtaacatt cattggtcag ggtacactgt 360
tcttcgtgtt ctttgttacc aacttcttca ccttgatggc cggccgtgtg gtcaacatat 420
taagtgtgct ctgaggtatc ttaactcgcg tatgagtagc ttaaccaga ggtaatgtct 480
gacctcgnag gacctcact ctctggaaag tgaaggaggc aggtgtgcga gacatcaggg 540
taagggtaac tcggtggacg ga 562

<210> 9055
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099d04d1

<400> 9055

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tacagcaagg gaagatttca tccttaagaa cttcttcag aacaaacaga ttactgaatt 120
tattatttct cagagtcaag tcaagcatta tgatacatta ttccccaaaa caccaacaac 180
agttcttagg ggagcagtta ttacatcgta ctttcacatg aacgcgttat aaaggcagat 240
aaaagcaa atacctcaaca caggacctta agggtaagc acagcacaat actatgtgac 300
ttaaacgggg acacaattta gcaatttttc ttaaagcact acggatttgc tgaatttggg 360
cataattata gagccttggt agtgtagaat cacacattct tgtgaaccag ctaccaccac 420

agcaggggtg tgccttggtg tgactgcac aacttttttg acactttcaa cgttgacatc 480
ctccaattac cacagccaat 500

<210> 9056
<211> 590
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099d05a1

<400> 9056

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ccggattacg tacacaggct atcgggtccgc ggggcgggag cgttggtgcc cgccctttta 120
gccacgttca cctgccgtca cgttcgtctt ggcccggctc gcttacggcg tagactccat 180
ccgaggtccg gcttcgggcg tgttctccgc aacgccgtcc acagagtccg catccgcctc 240
cacaaacatc gccccacctg cctgcacaga tgccactctc gcctcctcat aaattgcact 300
ataaggtaaa ccaattgcgc ccatttacta atcaccaccc tttgatgggg taatacttac 360
cgttaccgac cccagcttat cgcctaccgt tgcaacctgg gcacgcaaaa ctggcagaca 420
gttggtacaa ctgtcaccgc ggtatcttaa ggccaggngc atatcgaaca accgggaaac 480
ggaaatgtca tcataacggc gcgggagggt ggtatgtatt tcgccgaagc aacagcatag 540
ggtaaaaata tatctgctag ccatttagag aaaagaaaca agacgcagca 590

<210> 9057
<211> 360
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099d05d1

<400> 9057

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agctcaatga gttgggtccgc aagaccggtg gcgcgggcaa aggtcgcacc aacatgcgcc 120
gtaccgtcaa gagtgctcct cagagcattt ggtatggccc tgatcgtccc aagtacctgg 180
gtccattctc agagcagatt ccgtcatacc tgaccggaga attccccggt gactacggat 240

gggacactgc tggactatca gctgaccgga aaaccttcgc caggaaccgg gagctggagg 300
 tgattcacag cagatggggc atgcttggtg cacttggtg caccttccca gagatccttg 360

<210> 9058
 <211> 567
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220099d06a1

 <400> 9058

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 tgggtactgtg aagcctcatc gctttgctca aggttggttaa tggtaatatt atttgtgctc 120
 tcgctatctt tccgtatcgc tgttactatc gcaccaatat cgctcgctgt gatcacccca 180
 aggtaataag ttgtattcat attcctcgtc atgatgatct ctgcactggg tttcacatct 240
 gtgggtctcgg tcatacaagt aacaacggta tctacgtcta cctccgcggt ggccaactta 300
 tctgtcggag ctggtgtgtc gcttggtgcg gtgctcgcg gtgcaacgct atcaactgtc 360
 cgcagccaac caatcggggc ggtaaaagta acgcccag tacgaccggc cagagggctg 420
 gtcttataac ctatgcctgc cagcagtaca aacgccgtat gaaatctaaa atacaatggc 480
 cgccactggg tgtagactt acggccagat gagggaggcc aggcagactg ctcggctgcg 540
 attacagtag agtanacaca gtaaggc 567

<210> 9059
 <211> 569
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220099d06d1

 <400> 9059

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 tacttactaa gaatttccgt ggtgaggtaa tttcagaaag tgtgacagta gaatttgaga 120
 gccttatgat tttagcactt gggaattgtg gtcttaaagg ccatattcct tcttggttat 180
 ccaattgcag gaagttggca gttcttgact tgtcttgaa ccatttgaat ggtagtggtc 240
 cttcttggtat tggtcagatg gacagcttgt tctatttga tttctcaa atttctctca 300

caggagaaat accaaaaggt ctggcagagt tgaagggcct catgtgcgct aactgtaata 360
 gagaaaacct tgctgctttt gcattcattc ctctctttgt taagagaaac acaagtgtaa 420
 gtggactgca atataaccag gcatcaagtt tccctccttc aattctcttg agcaataaca 480
 tattgagtgg gaatatatgg cctgaaattg gtcaattgaa agcactgcat gtcttgatt 540
 taagcagaaa caacatcgct ggtaccatt 569

<210> 9060
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099d07a1

<400> 9060

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 gttatccagt attcagtatt cagttagtgg ggggcgatg tctatatatt tgggtgggtt 120
 cgggtgtaaat gtatgtatat gtgtgtgatg ctgacaggtc atcaggtttc aacgcttggt 180
 tgttggtgtt gttggtgggt ttgtgaagtc cagttaaagt taaagttaaa gttacggtaa 240
 acaacagcta agataacaat tgccctcag tgccttgcaa ccgcacttac tgtgttgatc 300
 ctctcgcccg cactgggtccc aattactgcc atcgcaacca cctcaacctt tggtgatacg 360
 ctgcttctca ttatcctcgt aatgggtggc ataacttca ccgtgatctt aatccttctc 420
 ttcaccaaag tagcccttag cttagttccc actgtcctgc caactctgtt catagtcgtc 480
 gtgttattaa cagtgggtgcc cctccctacc cttttaatca tacccttggt tctttactat 540
 cgtcggcacc c 551

<210> 9061
 <211> 617
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099d08a1

<400> 9061

gatgactgag actagcgtcg atctatcggg tagacaatgt agccaggtag ctgtacactt 60
 gatgatcgac aactactggt ccgggggcca caacgggtag ccatgtgcat gtaactgtac 120

gggaagtgtt aaaatttagg gtaccaatgc gcggcgaggg ttaccgccgc atgttaacca 180
 ggctagtggg tagtttggca cgcgcagtgg ggcgatggaa gggagaggag tgactagggt 240
 agggaggggg tccgatatgc acaggaggcc gga-gaaatg cgcctaacc ggctggcgac 300
 aacacacacg agggcgatgg tgggaaaagg cgattaagcc aatattaggg gccgtaacct 360
 atgctacaat tgctagtgc agttgggcag aacctgacct ggggaaagcg caacttagga 420
 acaatgtggc gggtgcgcgg tttggtatta gtgaagttgc tggtagtggt aatgttataa 480
 ccgccgcttt tggggcgcg gcgggtgttg gtgcctttgg gtttgggtacc cggctatttg 540
 gtgagttggg tggtagtgta ttacaagttt aaactgtgtg caatacaagc tctaaatttt 600
 catacgtaat ctgcct 617

<210> 9062
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099d09a1
 <400> 9062

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 aagccaaatc ctaagactat aactagacag gcaaggcaag tatacaacaa acaaacaac 120
 aaagtttatc atcgtaagag tacaccacac aaacggcaac acaaaatgca tatatcaacg 180
 cacaaaagga aatatatc ttatcttagt attattcttt ttaggcttta gtgttcctaa 240
 atctaattta aaaattgaat gaatccgtat atgcggttgg ttggtcggca ggtaaggtaa 300
 ttgtgtgtgt gttaagggtg tagtaatagt ggtaattcaa ggtttgggtt cagcacaggc 360
 agggcaagtc acggggctgg ggttcaaggc tctctcagg tgcacagcaa aagcttcttc 420
 aacttcaatt accgcctgcg cacacattgt cgtcaccaac ttaaaaaatc gagtcgtagt 480
 tgtcgtcgag ctgcgtgcc ctgtgttgag tgtagcgttg ggcatactgt tgtacgggcc 540
 cgtaat 546

<210> 9063
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099d09d1

<400> 9063

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gtataaatat tgcctctaca ttatttggtt ttaatttttt ctctctacca atttccccag  240
acaatttttg ccttctttta ccttgtaatg gagaaacctt tacttttttt aacctatctt  300
tcccgaaacc cattgatatt ttaatatataa attgtgttta caattaaagc attcataatt  360
tgttttatat agcttttccc ctcttaaatt gttt                                394
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<210> 9064

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220099d10a1

<400> 9064

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gctatggcga tttaattatt agtattattc ttattgttat ctccatttga ctcaactcgt   60
ctctcttggt tgtttgcgta gaaaaataaa atcagggtact gcagggttgt gaaagctaga  120
tactaattag atcgctgaat cgaagaaaga gaaacaaacc atagtactac tactaatttt  180
gattagggat ttgatctaataaataataat ttcacgattt aattaaccgc agaagctgcc  240
tcggtgtgtg agggacaaaa gtgagtgaga gagagagaga gagaagagga gagattggaa  300
aagatgtcat catcatcgaa ctgcccgtgc gcggcgtgca agtttctgag gcgaaagtgc  360
acgcaggagt gcgtgttcgc gccgtacttt ccgcccggaca accctcagag gttcg      415
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<210> 9065

<211> 605

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220099d11a1

<400> 9065

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tacttactaa gaatttccgt ggtgaggtaa tttcagaaag tgtgacagta gaatttgaga 120
gccttatgat tttagcactt gggaattgtg gtcttaaagg ccatattcct tcttggttat 180
ccaattgcag gaagttggca gttcttgact tgtcttgga ccatttgaat ggtagtgttc 240
cttcttgat tggtcagatg gacagcttgt tctatttga tttctcaa aattctctca 300
caggagaaat accaaaaggt ctggcagagt tgaagggcct catgtgcgct aactgtaata 360
gagaaaacct tgctgctttt gcattcattc ctctcttctg taagagaaac acaagtgtaa 420
gtggactgca atataaccag gcatcaagtn tccctccttc aattctcttg agcaataaca 480
tattgagtgg gaatatatgg cctgaaattg gtcaattgaa agcactgcat gtcttggtat 540
taagcagaaa caacatcgct tgggtccattc ctagcacaat ttcagagatg gagaactngg 600
aatca 605

<210> 9066
<211> 423
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220099d11d1
<400> 9066

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attttatggg taaaagaaca catttcattt taatccgctt tttgaagatt gaaacaagcc 120
ttaaaaaagc agtgaaaagt ttcacatgac tggatttgca ttaatgtttt ttaatttttt 180
caatatacaa attttcccag accatgttag cattcattga ccgaggaagg gagagacatg 240
actgcaatca gcttaactgt tccgaacccc attgatTTTT taatataaga ttggttttac 300
aattaaagca ttcagaatct ggTTTTcatg ttttttcccg cctaagttg attaagttgg 360
tccctgaaca aaacagcatc tttttagggt ttttcaaca cagctttcaa catattgtgt 420
aaa 423

<210> 9067
<211> 491
<212> DNA
<213> Glycine max

<211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099e01d1

<400> 9069

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 ttttcttagt ggaaggaaat tgagggtgaa aaaggagaga gcagcaattg gaggacgac 180
 gatgggcact acagtgtgcg cagttgctga gcctgacaga cctctatggt tcccaggcag 240
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 tcttgatct gaccggaga gtctgagatg gaatgttcag gcagagctag tgcactgcag 360
 atgggcaatg ttgggtgctg ctggcatttt cattccagaa ttcctaaca agattgggtgt 420
 cttgaacact ccttcatggt actcagctgg agagctggaa tacttcacgg acactactac 480
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 cag 543

<210> 9070
 <211> 535
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220099e02a1

<400> 9070

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 gtaatataca ccacgcactc aaatgacaag ttcaaaaata agcctcctcc actgacatac 180
 ttatcttcgc ctgggttcaga gcagtcatgg ttgtaatctg gtgttcaccc tgggttatct 240
 tcgtcatcac ctaaacacct cgggctcaac tctccccgat tattaatgtg tccacacca 300
 attcgccaaa tggttaattcc ctaataacga tgggtggtatt acaaattatg ttattagtcg 360
 tcttggctct agtcctaaaa acgagcgggt gccaaagcca gggttatagaa gtcnctgta 420
 tatccagacg ttggcgtgta aatgtaactt gcgtattaac cggcggaacc tgcccagggg 480

ccaacagccg cgttagattg agccaaccac tggcgctat atagccgggc agtca 535

<210> 9071
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099e02d1

<400> 9071

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 tcttttcttc cttaccacc tttacttta ttttaacttaa gaatcaaata agatttatta 180
 atttatcaca taatccacca atgaaatcac tgagccttta aagtaattta tgaataaaca 240
 tcattaaggc aaatgggtcat taaatatcaa tgactttgca aattcaaac aagggtattat 300
 aggacaataa tcgtcaattt tgcataaaat taattcattt ccaataatga ttgcctaaag 360
 tgtaagcctt ggtttaacaa gaaagatgag cttaatgctc ctgtatgttt tgaatcaaac 420
 ttaaccgaat ttctcccata attaca 446

<210> 9072
 <211> 577
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099e03a1

<400> 9072

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 gctattatgt ggtgggggtg gtacatattg gtagtagtgc tagattctgg actgttaaaa 180
 atgatata taacaagggtg cgggtgggtg cggcagggca gccagttcta cagtgaagcc 240
 gggatatatat ggggtggatg atccagtagg cgtggtggta gtgcccctat ttttaagactg 300
 gtggtgaagt cagacgtaaa ggggcggccg gacacgccca gtagtggtcg tcggcgccgc 360
 atgacgcacc acgctacat gagatggagt gagagacgcg agcaaaaggt gcccccgca 420
 acgtcggggg cccgacggca aacagcggca aagttggcat ccggcgggcc gcaaagcacc 480

gccctctaaa actttatttg cccatattca ttggccctaa aattggaaaa atcaaaggcc 300
ccattgaccc ccccccttc attgggtttg gctaacaagt tgccccccct tacaatgtaa 360
ttttgttctg g 371

<210> 9075
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099e06a1

<400> 9075

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caaaaaacgg cagttgacaa gataacaaat aatgggtaga taatagatgg ggccgccttc 180
gtggtgaagtt aaccggaacg cgggcaaggc gaagtagcaa gtacaaaccg agcacaatag 240
gagccattgc attggccaca gaggcccgcc cgggcacgta tgccaacagc tctgcatgta 300
cgggatggtt ttgcaacagg gccagccaca caagagcgat acagcgccaa ccgctatagt 360
agagcgggtca ctgacaaact aatgcactag atagcaactg ttgaatagtg gcatgagacg 420
gtgcaacaca gggtaacaac caacagagcc caaaaggaat aacgctagaa tggggttgca 480
aagctgccag agcaggttgg gtagcattcc catcccgag a 521

<210> 9076
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099e06d1

<400> 9076

cacaaagtgc tggagcaaac actaacacta acacaacacc accaacaaga agaagaagaa 60
acattcccag agaccctttt gctctgtgaa gccaaagttg ctatcttttc tcaaattgggg 120
accggaatcc cttcgcacca gctcagcagc ggctctctacg tgtcgggtcg acccgaacaa 180
gtaaaagagc gtccgcccag gatgacgtca cgctctgttc cgtacaccg cggcgacccc 240
aagaagtccg gcgagctcgg gaaaatggtg gaaatccccg gcgtcgagcc gaaaccgtcg 300

cgctcgtcgt ctgggtcggg gagatccggg ccgaactcgg cgcccgcgga gggaagctga 360
gcggttcaag gcccatgtcg cgaaagtcgt cccgttcggg tccgatagcg ctgcagccca 420
cgggcctgat aacgtcgggc cccgtcggga gtcggcggtc gggtcagc 468

<210> 9077
<211> 535
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220099e07a1
<400> 9077

gatgacgcgg acgggntcga tctgtggcta ggaatgtgcc aggtgcctgt caccaacaac 60
caaaggcaac gaatagcaca caacaaccaa ctgcaacgta gacaacacaa caaccaacgc 120
caacgcattc aacacaacaa ccaaaggcaa cgaatacaac acaacaacca actacaacgc 180
aaacaacaca acaaccaacc ccaacgcatt caacacaaca accaacggca acgcattcaa 240
cacaacaacc aactccaacg cagacgacaa cacaacaacc aacggcaacg catccaacac 300
aacaaccaac gccaacgcatt tcaaccaaac aaacaacgcc aacgcagtca acacaacaac 360
caaatacaac gcatacaaca aaacaaacaa cgccaacgac aacgcaccca acacaacaac 420
caaacgcaac gcaaacaaca acaaaaaccg tcccaccggc gggttacagca acggcacaga 480
gccccaaagg tttgtgccc ccatcacaac actcagcgca ggtgctgaaa cgggt 535

<210> 9078
<211> 474
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220099e10a1
<400> 9078

tcatcatggc cacctctgct attcagcaat cagcattcgc aggtcaaact gctctggagc 60
agctcaatga gttgggtccg aagaccggtg gcgcgggcaa aggtcgcacc aacatgcgcc 120
gtaccgtcaa gagggtcctt cagagcattt ggtatggccc tgatcgtccc aagtacctgg 180
gtccattctc agagcagatt ccgtcatacc tgaccggaga attccccggg gactacggat 240
gggacactgc tggactatca gctgaccggg aaaccttcgc caggaaccgg gagctggagg 300

tgattcacag cagatgggcc atgcttggtg cacttggtg cacttccca gagatccttg 360
 agaagaatgg tgtgaaattc ggcgaggccg tgtggttcaa ggctggttca cagatcttct 420
 cggagggagg acttgactac ttgggcaacc caaacctgat ccatgctcaa agca 474

<210> 9079
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099e10d1
 <400> 9079

gcctcccaat cttcttcttc tcaactatctc ttatatatat aaatcaactt tactttgatt 60
 atgcttctca ctacctatta ttatatatta tactatatac tgactttaca atacatattt 120
 ctctctttta actttataca attattcaga ttctgcatta tgagtagcgt agcggaat 178

<210> 9080
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099e11a1
 <400> 9080

cacaaagtgc tggagcaaac actaacacta acacaacacc accaacaaga agaagaagaa 60
 acattcccag agaccctttt gctctgtgaa gccaaagttg ctatcttttc tcaaattggg 120
 acccgaatcc ctctgcacca gctcagcagc ggctctacg tgtcgggtcg acccgaacaa 180
 gtaaaagagc gtccgccgac gatgacgtca cgctctgttc cgtacaccgg cggcgacccc 240
 aagaagtccg gcgagctcgg gaaaatgttg gaaatccccg gcgtcgagcc gaaaccgtcg 300
 cgtccgtcgt ctgggtcggg gagatccggg ccgaactcgg cnccggcggg agggaggctg 360
 agcgggtcaa ggcccatgtc gcgaaagtcg tccggttcgg gtccgatagc gctgcagccc 420
 acgggcctga taacgtcggg cccggtcggg agtcggcggt cgggtcagct ggagcagcct 480
 gcagcgacgg cggnggggaa gatggtgtac cggtcggcg 519

<210> 9081

<211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099e12a1

<400> 9081

ggcactgatt cttcattgaa tcattggaatg acaccaaca taggcgactc gggtttcctg 60
 cattgtccgg aagatgcagg acaaggaaac cactgaaca aaacctttgt gaaggtttat 120
 aagtcagggt cctttggaag gtcattggat atcaccaaat tcagcagcta ccatgagctg 180
 cgtggtgaac tcgctcgaat gtttggcctt gaaggcgagt tggaggaccc tgtgagatca 240
 ggctggcagc ttgtatttgt agaccgagag aatgatgttc ttctccttgg tgatggcccc 300
 tggccggaat tcgtaaata tagtatgggtgc ataaagatac ttctcctca ggaagtgcag 360
 caaatgggca acaatggcct tgagctgttg aactcgggtc caaatcaaag gctctctaata 420
 ggcatctgtg atgactatgt gagccgtcaa gaccaagaa atttaagcac tgggataaca 480
 actgtggggt ctttagacta ctaatagagc tgacttcttc tatcatgttt aatattatta 540

<210> 9082
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099f01a1

<400> 9082

agtacacagt gactactgtc gatctgtggc tagcaatgta ccaggtagct gtcactgcga 60
 tagcgtctag tcgtaggtag tctatactca catcagttaa cccttgaccc tggaggcact 120
 gcgagcaacg taccgagcga ttcagactcc gactatgggt cactatTTTT cggtgacagt 180
 gattacgcag ccgcaaatta gtacaaatcc aaaacaagca ccctacgat ataatagtgc 240
 tactgaagcc atgcatgcc tggacacctt tgaagtggac ctactatca cactgccagt 300
 cgacacatta tctagctgaa tagcatgcaa catcagagat gaccgcacta gcaactgata 360
 tactagctac tatgacatta ctgcatgagg cagaacagta cctatg 406

<210> 9083
 <211> 576
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220099f01d1

<400> 9083

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gcgatgagtt cgggtagcag ccacagcagt gagaaggaga aggagaaaca gagggtagt 60
cgcacgtcgc tgatactgtg gcacgcgcac caaaacgacg ccggatcggg gcgcaagctc 120
ctccaggagg atccctcgtc cgtcaaggcc agggactacg acaaccgaac gccgctccat 180
gtggcggtccc tccacggctg gatcgacgtc gccacgtgcc tcacgagtt cggcgccgac 240
gtcaacgcgc aagatcgctg gaaaaacacc cctctggcgg atgcggaagg agctaagaag 300
agtaatgtga tcgagctctt gcaatcgcat ggaggattgt cttttgggca aaatggaagc 360
catttcgagc cgaagccggt agcgccgcgg ttgccgaaca agtgtgatgg taggaaacta 420
ncctaccgag ctcgacttct tcaactcggg gcgaatcgaa agggttcttt tgcgagatat 480
aaaagccctt ggcgggaaca ccagtgtgt aaacgtatct ttcattcttt agtaaaatta 540
ttgtgattag gacttaagct tgaggcaatt gttgtg 576

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<210> 9084

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220099f02a1

<400> 9084

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gatcactgtg actagcgtcg atctattgtt agcaatgtac cagagtcctg tcaactggtg 60
tgttataaga gggagcgagg ggtcgaataa attaaattta ataaaaatgg tggtagtggt 120
acgggtgtag cctagtagtg tacaatcgac ttactaggca cctagccagc tggctcttat 180
tgcgtattca ggtagcctgt ctacacggtg gtctgtctca tcttcagatt tgaattaccc 240
tgtggtacaa cgtgtgtgtt cctctgcggg gcttctacca taattattgg gtgttcgggt 300
gctattactt tcttcttctt cttcttattt ttattcgcgt tacttggtgt cctgttcagt 360
accacgtcct cttctcttct tcgctcctct tggtctttgt gcccaacagt gttaacacca 420
acgtctctct tgtcaactct gtctacatca tcggtagtat tctccatttt cttaatgggt 480
tctacagccg ttactaccgg attcctcgct ccggt 515

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<210> 9085
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f03a1

<400> 9085

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gagggcgga cggctagcgg taagttgcta gaggcagctg aggggagtgt cgggtgaagcc 120
agaaaggacg gttgggcata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaccctcctt cttcatgacg cactgtcgtc atttcccaag gaaggttcca 240
ttccgattgc tacctcgatt actgggtttg agaccacgt caaggaaact ggcctogaag 300
tagccgtaga ctgcgggttg cgcgcaaagg cggagttctg tataaggtta tataatagat 360
cacttccaac tagaaacgcg aaacttgccc cgcttgaagc acgcactgaa tgtataggaa 420
ggctcggctc tgtatgcttt ctgggttacg tcccaaattg cgtcgcttac tgctaggaag 480
caagtcctta atctctcccc acacctccgg gctcgaagcc ctcttaaccg ccaggggttg 540
g 541

<210> 9086
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f03d1

<400> 9086

atctaatac cccaaatatt ttaataatac agcgaaacac attcatcagt cacataactgc 60
atcttatgga taaaagaaca cattacatat taacagcttt tgaagattga aacaagcctc 120
agaaaagcag tgaaaagttt cacatgactg cattagcatt aatgtttata aatatataca 180
atatacaaat atacacagac aatgtaagca tacatagacc gaggaaggga gagacatgac 240
tgcaatcagc tcagctgtac cgaaccccat cgatattcta atataagatt ggatttacia 300
ttaaagcatt cagaatctgt ttttcatgtt ttttcccgcc ctaagttgat taagttggtc 360
cctgaacaaa gcagcatctt tattgcgttc ttcaacaaca gctttcaaca tattgtgtaa 420

aagattaaac t

431

<210> 9087
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f04d1

<400> 9087

gaaagagaac aatttgttgt ttactaatga gagatgaagg aactaatcat ttgtcttgcc 60
atcgcaaaag aatagaactc ccataattcc attagagaag caattaatat ggggttaaata 120
ctaaaatcca aacaatgggt gcccacaaagt taaacaatta aaataaaaagt tgcaacttta 180
gttgccaact attcattcct atagaagttc ctagcaggaa atctaatagca gatttttttcg 240
ggtaacttct atggggacat aaggaattgc tgtaatttga atttcaactt tctgcttgca 300
gaagaacccg cataaaaaag ggcaatacag gcagaacata aacaattcat tgtgcgtctg 360
agtctgttgg ggtagacttt tccgttaatg cagaaagctg tgtctcctgc tgtttcttca 420
gatacctctg ggcagttgca ttcactatct tgacaaagaa gttcataagc atgagccaca 480
caacagtgtt ccagactaaa gtgaaagaaa aatccccact tttcccctgc ttatttgggg 540
aaactggatg ggaatctttt 560

<210> 9088
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f05d1

<400> 9088

agaaaaacta aatccttagt atttgtataa ttactgaaag gtacaattca acgagtgatt 60
gtatacatga aacggccata tatacaggac tcagtactag ttagcagctg gaggtaagcc 120
acattggcaa atcaacataa catttataat tgcttagaat agtcacctca aaagagaaaa 180
ttcaaattcc aaaaccattc taagatatat tcatgaatca taaacatatc atcacgtatc 240
tggcatgacg ttaatagttt ggccttcac atatggccta atgaaagtcc tccgccacca 300
cacctcaaaa gctctctgaa gattgggaca gccatcacca gttttcaaga aacttccaac 360

ccatgaaagc aaaatactct gctgacctc caaaggcaag gtgagaattg tccttccaat 420
tccttctctc acaagtttcc tatcgatga 450

<210> 9089
<211> 314
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099f06d1

<400> 9089

ggggaaccca aacacccctt ggccaaggc cggggttttc tgggggggta tcgggaaaaa 60
acccccaaaa aagccctta aaaagggggc ccccccccc ttttttttcc aaaaaaaaaa 120
aagggccccc attttaaaac ccccccccc ctccttggtg gagggggggg ccccccccc 180
tggccccccc tagagagaaa aaaaaaaccc ccctttttgc cccccccct ctttctgtca 240
aagggggggtt accttggggg gggcccccct tcggcccccc aatagaacct ggggggggga 300
aacccccccc cggg 314

<210> 9090
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099f07d1

<400> 9090

gcaacaacca agactgacca cttaattag aatttggggt cccaacctaa ttcgtaccaa 60
taatatagt ataaagaaaa tctaataaaa aattaacatg caagtaccgg tgtaatccaa 120
gacccatata aattctcatt atggaagaga tgcaacaacc aaacaaactt aataatttct 180
tgcaaattat cttttacgag taagacctgc gtaatcagcg tggccatatg gttcaaacia 240
ctccgaaaaa aggccattct tccttctagg gtcattgttc atgtctttgc acaattgatc 300
atgataccat atgccacaat gagcaatgca tgttttccaa taatatttcc caccatattg 360
cttcaaattg tcttcccaca atttcacgtc cttttccatc tctcttatac taggcaactc 420
tatgtttcca tccaagaaat gtgatagcca caagcttttc atttccgagg caaatatatt 480
tgatgggctc tcggcata 498

<210> 9091
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099f08d1

<400> 9091

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ccattaaaaa tttcaactca aaaggggtta tttatgggat gtaaagtcgt taaaacatcc 60
acctaaacta accaaatatt atgatcttca acaagatcac attctatatt tttcttcgag 120
atcaaataca tttccaaagg tggcacagct acaacaagct tgaccgaact cgagtgccca 180
tggacaaaaa gcctgaagaa ttcttcacaa caagcttgca cttaatatgc caacgggcct 240
ttctttccca aaggattctt catcaaaatc ttctgttggt gaattttctt ggcataactc 300
tcgagtagga tttaaataca gagcctccca agccattgaa ttaccatcac aaacattgcc 360
tttttttaga gcttgattga catccacatg tgcctctgca tttggccttg tatcagtaga 420
caaaggttcc attccctta 439
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<210> 9092
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099f09d1

<400> 9092

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ggggaaaaaa aaagatcctg ccctttaaaa aatcaagaca gaataattcc tccaacaaa 60
ggggaaaaca atgggttttt ccctctaatg aaaaaagcc aatggcctta tgggtaaagg 120
aacgtttatt taaccggggc aaaacaattt gtttccctc ccacaaaaat cataaaagg 180
aaaattcaat aaaaaagcct caaataagtt ttaaacaaaa aaagggggga aagccccccc 240
cccttttggc cccttttctc atcttggggc ccgccccct tcccccgaa ggggcccgtt 300
tatttttctt ggggtggcca gccccgccc ccccatggt ggggcccgc ccccttggt 360
acattttggc aaagaaagga atggaaaagc cttccaaatc cttattttg gccccaaaaa 420
caattgggtt tgg 433
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<210> 9093
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099f10a1

<400> 9093

gggtgggagg aataaacttt tttccaaacc caaaaccata aagtttggat taaatttcga 60
 agaaacatga tattcctttc aagacatatt aatgaacaca tgtaagagcc ttaaattggta 120
 ccaactaaca gaaattttaa atataaatgt tcttagaggg gatcaacccc caaaattaaa 180
 ctaattaaga ttccctaata atctattttg ctcatcatgg gctagggttt atttttcctt 240
 cattggccat ttgaaaagc tgggcttggg cttctgcggc cttgttggag ttgagtgagg 300
 gcacaaacct ttcccttact tgggtgggag ggtaagggaa cttgttggtc accatggagt 360
 tgaggaagga agct 374

<210> 9094
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099f10d1

<400> 9094

cagctctttc tgttctctct ttcttctcca agcgattcat tcaattttca attcgattcg 60
 atcgattctt tcttctacat tctcgattcc ttcctttctc aacaactatt atattatgca 120
 tcttcgtctc cctctctcac caaccaccta gggtttctct ccgacgttag gttttttttt 180
 ttcgtttctc gccgggattt tgggggcaga cttaatctcc ggcagctatg gcctccaact 240
 tgcagatgag ccctcaggtg gagcagatcc acggtgaaat tcgcgacaac tttcgagccc 300
 tcgcaaattg ctttcagaag ctggataaga ttaaagatgc caatagacaa agtaatcagc 360
 tggaagaact cacggacaag atgagggagt gcaaaagggt gataaaggag tttgatcgtg 420
 agattaaaga cgaagagggg agaaatcccc cagaagtga taagcagctc aatgatgaac 480
 agcaatcaat gattaaggag cctaactcat atgtggcatt gagaaaaacg tacatgaata 540
 ccattgggaa t 551

<210> 9095
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220099f11d1

<400> 9095

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 ccaaaggatc ctgatgaagt tttagtcaag tatgaagcat gccttgaaga tggaactctt 120
 gtggcaaaat ctgatggagt ggagttcaca gtcaatgatg gttatttttg tcttgctttg 180
 tcaaaggctg ttaaaaccat gaagaaggga gagaagtgct ttctgacagt gaagccacaa 240
 tatggatttg gtgagaaggg taagccagca catgatgaag aagggtgcagt tccaccaaatt 300
 gcaacattgc agattactct tgagttagtt tcttgggaaga ctgtctcaga agtaacggag 360
 gacaagaaga tcattaagaa gatcctcaag gaaggggaag gatatgagcg tccaaatgag 420
 ggagccattg tgaaatagaa agtaattggt aagctgcaag atgggtacttt gttttngaaa 480
 aagggccatg acgatgaagg agagctgttt gaattcacia ctgatgagga gcaagtaatt 540
 gatgggcttg acagagctgt gttgac 566

<210> 9096
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099f12a1

<400> 9096

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 atccttacct atctatataa acatcatacc atgatttgta cttacctcaa ttaactcaat 120
 tcttttatta actgtatgcc gtacgcgtcg gattaataacc ggggccacga gctgctagtc 180
 tacggccgcc ctttctttac ttattaaaa aatgtaacat catcccatct atgtatctat 240
 atctagggga acgtcatatt tgacattgaa attaaaagga cagacagcac tattatgtca 300
 tgaaggagtt cataaaaaag aaaatgatcg gattacattc aggtaagaag gagcaaaaaag 360
 aaaaaagaaa aagaaaggtc ttaaaccggat gttgatcaca tgtgacatca gactacctgc 420

acgctttcttc ccgtttaaga ttagaaaagc tgaaagcctc ttgggtttcaa atcttgatca 480
 ccactgctta tcattttttac tcttgcaaga tcagtatcca gcatacctcg agccccaatc 540
 tcagacttac tt 552

<210> 9097
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099F12d1
 <400> 9097

atcactcccc cacttgagta atgagtcagg atccctatcc attttttaca ctgtggcact 60
 gtccaccctt ttttgggtta ttattttctaa tttttataat aacttctagc cactgccaca 120
 cagagtgtat ttttaaaaaa aaagagcaaa accgcaatgc atcccacgtc agcatcacgc 180
 attagttgac caacaactgc tctccacgtg tgcactgtgt gccacttgac ttcccacttg 240
 ctcttttctc aatccacttt gagccgtcac cgtggacccc accaccttct tccgcctctt 300
 cgtcgacgac gcaactatccg acgaagaaga cgacggctcc ggccaataacc tctttgccgt 360
 gacccgaacc ggttcgggct cgctgaatt aatccggagc gggaaattca acaaagcgcg 420
 cgagccgcgc attcggtacg cggctcggtc gtaagccagc gc 462

<210> 9098
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099g01d1
 <400> 9098

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 atatcacatt gggtcggcga gttcatcaga tggatcact cagtaactac ttgctccacc 120
 tccttaaaat aaatagtaat tgccgtcgac cgagctagga tgataggcgg cgnccccgcg 180
 gagggcttga aattcgggcg ggagggcctt cataaaacca agcgctggaa taccgccact 240
 cactctcacc cctctagggg ggctcaaaag ccaaateccag tccatcttca gccttagctc 300
 ccgaacttga tatttcatac ccgagacctc ccagaaacc ctaacctctc ccccgtagaa 360

acaaccgtag ccgacaggaa ccacgccgca attaaagagc accaccgtag aaacccccaca 420
cccagcccta agggccctgc cccagctccg aacgttacca taccgagct caccctcgcc 480
tttgccgata tctccgccga ccaccaacc taccggttcg aagcccaccg agagatagag 540
aagcgcgggg gcgtccggca cggcat 566

<210> 9099
<211> 521
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220099g02d1
<400> 9099

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aatggacca gctcaaaaca gtggtaggaa tgacaaggag catgagcatc ccttggcctc 120
agagacaaga gttgagaagt tgaatgagat ggaacaagat gcatatgaga gactggagag 180
gagttcatcc tatgtgtcct ccaaaattgg gagtccagta aatggtcata cctctattac 240
aagtactcca aatcatagat cagcaacaac ccaaagcag gctgcttctt tgaatgctga 300
ttcttcgtcc ccaatcttgg aggaaaattc taagagcagg tccataagca gtgatgatga 360
aaatatggat caggaggggt gtgaaaaagt tttcaatgg agaaatatga gtacaggtgt 420
tcaaataaac aatgacgaaa gtgattttga cattttattc aagcacacta catctctaga 480
cagtaattac ctggtggaca agaattcaag ctttggtttg g 521

<210> 9100
<211> 339
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220099g05d1
<400> 9100

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taaattaaat caaaaacgta accccccccc aggggggggg aaaaattctt tccccccca 120
aacgggaaaa gggtagcccc ccttagcccc ccccaaacg ggggggggtc aaatttcct 180
cccaacaaa acccattgt ttgccgata aaaaggggga aaacaatggg tggccgcaac 240

agagggggaa aatttttttc ccccccta atgcccccaa atgccccaaa ccaataaaaa 300
 acccccccg gccc aaatcc gaggttccct ccccggggc 339

<210> 9101
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099g06d1

<400> 9101

aacaccaaag gggatttttt aaacaaaaat aaagaccatt tttaa atcga ttggtttatt 60
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 aaaattggca ctttttttta catctcaatt tcaatcatta catattacc tgatcgggat 180
 gatccaccgg agttgtgtt cggccctcc ctctagaatg ccggtggtga ctgccgcaa 240
 atttaaacct tccgg 255

<210> 9102
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099g07d1

<400> 9102

caataatca actaggtgga cagcattgat tagaagtttt aacattagtt tttttacatc 60
 agaattaaca ataaaatggt tttaaattgt cttttgggca aaacgcagat gttttgaaca 120
 acaaaagaag ggggattaaa gaatgtacaa ttgaattgtc aaaggcagat gactaagcat 180
 catctgcatt acttccacca acatgtgctt cattgccgac ccaataatta ttattgttat 240
 tgccatcagg acctgacacc ttgtaccgtt caattacaga ttttccttcc ttgtacttct 300
 ggcttttttc atgagcagtc tcatatttcc aaccacaat tgatccacag cccacacaga 360
 aaatgtcagc cacagtatgc atcccagggg ccatctgtct gtcctcattt tctccaggtg 420
 taacattcac gacettact 439

<210> 9103
 <211> 559

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099g08d1

<400> 9103

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tttttttttt tttttttttt tttttttctt tttttttttt catttttttt ctttgggggg 60
tttttttttt tttttttctt ttcttttttt tttttttatt ttaccaatt cttccccccc 120
cctttccaca caaataacca cccacacctc ccccccccc caggggggaa aaaaagggga 180
aaaaaaaaag ggggggaaaa aaaatcaaaa aaagggggccc ctaaaaaaaa acggggggggg 240
ggggaggggg cccccccata aaaaaccccc gggggccccc ccggggggga aagggggcaa 300
acaggggggc caaaaaaac acccgggggg gatccccggc ccgggggggc caaaaaaaag 360
gggggggggg gggggccccc agggggccaa aagggggggg ggacaaaacg gggggcaaac 420
cttttcccc gagggggggg agggccacca aaaaaaaac ccccgccctc gggggggcaa 480
aacaaccgca ccaccgggca ccttataaag gaggaccccg gggggccccc ccaccggtgg 540
aaggagcggc cccccccc 559

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<210> 9104
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099g09d1

<400> 9104

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gatgataata agcaaacatt tctctattat tataaaagg gttacaaacg agtttatctg 60
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cagcaaactt ttgaatcact ttcacgatgt gtagtgttac ttgtacacaa taataatttc 180
taacaacata aataatgacg agtctttatg tgacaagaga tatgccttgt agaattaatg 240
catcagctag aacttggtta gcagcttggt aaggatggac actgtcccaa aacacatact 300
gtgtggcatt agaacaagtt cctggtgatt ttggattaca caacaaggat gttgtcttta 360
cagtcccgt accacagcat cctctgtttg cctccacaaa accagatttt gaaggggatt 420
gaacaaggtc atagagaggc ttgtaaatgt cgaaaaccgc aatcttaaga ccaggaagtt 480
gcttttgaga ctcgttgagc tgagttgagc ttt 513

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<210> 9105
<211> 390
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099g10a1

<400> 9105

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gtcccggtt taaaacagcc tgggggggtt ctttttcaaa tcccaatccc ccctttttct 120
tgggacccaa aaaacagggg gggggggggg cccaagtgtt tgcaaaaagg ggaaaaccgg 180
gttccccccc ttatgggtac cttggggggg gccttaaagg cttaggggag gggcaacccc 240
caaattttgt ttttttttgg ggggagacca ttcaccccc cctttttttt ttttccaaaa 300
aaaaaaaaaa gggggggggg gggagaaatt tcttggaaaa acattctaaa aaaaactttt 360
ttccggggcg cggggggggg aacccccccc 390

<210> 9106
<211> 540
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099g10d1

<400> 9106

accagatctt cacgcaaact tctgatttga gttttactcc tttagatctg caaatgaatt 60
tctgattttc atttaaagcg ttggccgaat tgtggagctg ccaaagcaaa acacttatta 120
ttatgtgaga gcaataatgg gctctggaaa tatactacct tcttctggca gctctgacat 180
gtctatctcc gagctccgag agaagcacca ttgggagcta gaaaatctga ctctgaccac 240
acaacctctc aaaacgttga aattcttcac attagctgtt attcaatata tcaagaaaac 300
agcaatatat ctattggcaa aaggtggatg gggtatgctt ttcagtgttg cagttgggac 360
tcttggcata gtgctgatga cccttgggtg cctccatgag aagcatcttg aggagcttct 420
tgaatatatt cgctttggac tgtggtgggt tgcccttggg gttgcttctt caattggtct 480
aggatctggt ttgcacacat ttgtcctata tttgggtccc cacatagcac tgtttacaat 540

<210> 9107
 <211> 92
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099g11a1

<400> 9107

gaaaatctag cagtcgtcca gaataaggcc cgaggcgccg agctgactaa tactcttacc 60

gaccttagct ttttcaattt attatTTTTT at 92

<210> 9108
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099g12a1

<400> 9108

cagctctttc tgttctctct ttcttctcca agcgattcat tcaattttca attgggggcg 60

atcgcatctt tcttctacat tctcgattcc ttcttttctc aacaactatt atattatgca 120

tcttcgtctc cctctctcac caaccaccta gggtttctct ccgacgtag gttttttttt 180

ttcgtttctc gccgggattt tgggggcaga ctteatctcc ggcagctatg gcctccaact 240

tgcagatgag ccctcaggtg gagcagatcc acggtgaaat tcgcgacaac tttcgagccc 300

tcgcaaatgg ctttcagaag ctggataaga ttaaagatgc caatagacat agtaatcagc 360

tggaagaact cacggacaag atgagggagt gcaaaagggt gataaaggag tttgatcgtg 420

agattaaaga cgaagaggga agaaatctc cgaagtgaat aagcagctca ctgaagaaaa 480

gccatcaatg atcaatgagc ttacctcata tgtggcattg agaaaacgga cat 533

<210> 9109
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099g12d1

<400> 9109

aacaaatggt atttgattta attgaagtat gctgttaagt taactaagga actagatcat 60

actagctaaa attaacggtg aaaaatatct aataagaaca ggaaggacta atttaactaa 120

acaatatggt gagcttcata gccagaaaaa caccctatt acataacaga ttgtccacaa 180
 atataattct ttttccacta tgcccaagtc aatcaacaga tagaaaataa acagaagact 240
 aaattaagac gaaaaactca aacttaaaat ccaactatat ttttcagtat ttcccacctt 300
 gcttctacc cgtgtgaaag taacaaagta aagctgctct gcaacaaagt agatctaaat 360
 ttacaagaca ggaaacgacc aacaaagtta aataaaagaa agaaaaaaga aaaaaggcca 420
 agagaaggat aaacccgaac aaaaaccaa agatataagc atcttaggca gaaaccctaa 480
 aacccaaaaa accctaggag taaagcctgt taggagct 518

<210> 9110
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099h02d1
 <400> 9110

agagtaagaa tcacatttat atatataaa aagggtgggg tgcaagaaga ttaaaaaaaaa 60
 taatagcata tacgaaaggg ataactagac aaaaaatggg aagaaggaat ggcatcaaac 120
 tgtgaagcca atccatcccc gtataaatcg aaattacaag agagcacatt tgtaaaactca 180
 gatcttgctt ccctggaatt ggaaagatga tgacagtatc ctgaagagtc catccgggtt 240
 atcagtatgc acccagtggc cagcatcttc aaggacatgc atttcaactc cacctccttc 300
 ctcaacagca agctcttcag ctgcatggat ccgctgaaga tcttcaagag cccatctatg 360
 taagcttctt tctgctttca aaaagttcac atgcacccca cga 403

<210> 9111
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099h03d1
 <400> 9111

caaattaacc tgatcaggtg aatacagtaa cagatgattc ctatcatgtt caacaaaaat 60
 tccagatggt tggtgcacaa tttcagcagc agcactagca tcattcttta tctcagaatc 120
 aacatcaaga ggttgctgct taattttatc cagagaattg ttatcaccg aatcgtcttc 180

tgatTTTTtg tGttcaaaa ttgcagactt gtttttatcc tctacttggt ccactttaac 240
 agcttgtcca caattctgtt tatcaccttc aacagaggta ccagagtccc tcttttgcac 300
 tgaagatgca ggaagcaaat ctgctccctg agtctcattg tcatcaaaca tgacatccaa 360
 tcgggaaaag ttttttatca aggttgatgt catttcaatc tcaagtctct tgtcaattct 420
 tttatctgat agtggagata aaaggtctcg gtttcgtttc tttaatatag atgggtgtacc 480
 tgtgagggtt tagccgcact tttttaactc gagg 514

<210> 9112
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220099h04d1

<400> 9112

aactgtaatt atttttcagc cagtgatcag aggggatttt tatcataatt ctaagtgttt 60
 tggaacaca ttgtgcacca atacagaata attaaaaggg agaacttatt ttttttcctt 120
 ttttaagcct tctccttaga tggaactgtc ccactctgtg ctgcaagcat ggcatattag 180
 ctcttcctag tcaaatttgt gactcaaat ccaaagtcc cttgaagaac cttttgaatg 240
 tagtttgcaa ctttaattgc tgatttcctt ccactgcatg tgagctcctt gggaagctgg 300
 ttcaagaaag tgatctcata tgttggcatt ggattcatga acacaaagta cgggtacaac 360
 aacttgtgtc cgttaacctc ggttccgtat aacacacttt gctttgagtt aatagcaact 420
 gggacaattc tatcaactgt gttcagcaaa t 451

<210> 9113
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220099h05a1

<400> 9113

gggagaaggg aataaagaaa aaataagaag aagaaaaata aattaaataa acagagataa 60
 gaaataaaat aaaaacagat gaaaaaaaaa ggtaataata aaataaaaag aaggggatga 120

tctgtgaataa gaaaaaaccc caggggggag aagaggaaga naaataaaaa aaaaaaaaat 180
 tatagaagag agaaaaaaga aaaataaaag ggggtgggaa aagaaaaatn gagggggaga 240
 agaaaaaaaa ataaaaaaaa aaaaaaaaaa aaaaagaaaa gtataaagaa agaaaagaaa 300
 aataaaaaaaaa agaagaaaaa aggaaaaaaa aaagaataga aaagtggaaa aaaagaaaaa 360
 gaaaaaaaaa agagaggaaa gaagaaaaaa aaaagaaaaa aatggtaaga aaatgaaaaa 420
 aaaaaaaaaa ga 432

<210> 9114
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099h05d1
 <400> 9114

gtgggttata aaggaaacat tgattagaaa ccagtcaaag ggggtgccac caacaacatc 60
 agataactaa aatctgtcac tgaaatcttc agaaaaatag cggaaaaaac atctccacaa 120
 gacatcacag actatattaa gattattact aagtagtaat gaaaacacag attatgatgt 180
 aagcaataac aagtttgtaa caaagtacaa aatcaaatta agtagtgaga ataggggggg 240
 aggtagtcac ctttgccacc aagaatgcca gccttggtgt ctggaaagaa tttaaactct 300
 ggcagctcgg cgacatctat ctcaacttga accccaatgg ggtagcggag attgtgacct 360
 ggaaggatcat gctcaagtga cttcgtttaa ttcagatccc 400

<210> 9115
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220099h06d1
 <400> 9115

ggaatccaat aaatgtttca atatggaatt gccaaacttt aaaaagctta caacatacaa 60
 aactgcacat tattctcatt ctcatagtaa ctaaaaaatg ataaggcaga aaagagagat 120
 ttaaaagaat aaggatttct cccctaggc atattaatcc catggactca atgaacactc 180
 ctctggggta gttggataac gttcagaatc ctggcagtag tcatagatca caaggttcct 240

ctgaacccaa gcataatcct ttttctgac atcagagagg ggccaagcat catactgac 300
ccaccaattt ttggttggg ttgagacaca agcaggggat ggggtcttccc attggcaacc 360
atccacactg aagtccttgt aggatgacac aaatggggct aatttccagt ttgtcttctt 420
aagccacct cttggggccc agtcactctgc attccatag ct 462

<210> 9116
<211> 437
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099h07d1

<400> 9116
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aaaccaatt tgttgttccc gaagggccca aaaagaaaat ttttggcgct ttttcccggc 120
ttcccccta ggggggggtt aaaaatgatt tggggggccc ctttgggaa tgtccccctt 180
gggggggggg gccctttttt ccataacttg gttaaaaagg ggaaaagcaa ttgccccctt 240
tttttgaagg gggggggcct tcttgtattg ttttggaaa aaaatggggg ccccttttgc 300
ccctgaacca aatttttttc ctttgttttt ccctaatggg cccgaggggt ccggggaatt 360
taagcggggg cccttcttct ttgccccgca ttgggaagga gatccccag ggggggggac 420
ggggtttttt tcccctt 437

<210> 9117
<211> 325
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220099h08d1

<400> 9117
acggggaaag tgttcatttt taaccgcta ttgtggggtc aaaccccaaa tatgaaaaag 60
accaaacaaa cacaaatcaa acaccttaaa ccaaagttc aaacccaact aacaccacct 120
acaactgggg gatccaaatt taacagccat ccccggttca aggttttaca gctggaccct 180
actcgcaagg gcctgggtca caggggcacc taggaccaca aaagcccccc ccggtgtag 240
aggcaacacc catttcaccc ccctctaatt gggcccttaa agggccaaaa ccctaaacaa 300

ggggccttgg ggggggttct tccag

325

<210> 9118
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099h09d1

<400> 9118

ataaaaagca acaccatcgt atatatgtat ctatatctat agtaaattgtc atatttgaca 60
ttgaaattta aaggacagat agaaatataa ggtcaagaag gagttaaaaa aaaagaaaaa 120
gaaaggatta aatataaggt caagaaggag taaaaagaaa aaagaaaaag aaaggtttta 180
aacggatggt gatatatgtg acatcagact actgcagctc ttccgtttta gttagagagc 240
tgaaagccac ttggtttcaa atcttgatca ccatcctcat catttttact cttgcaagag 300
cagtagcaag catac 315

<210> 9119
<211> 511
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099h10d1

<400> 9119

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tttcaagcca tattcttctt cagcttcggc cttagttccc gaacttgata ttcaaccgga 120
cactccccag aaccctaate tctccccga agaaacaacc ttagccgaca agttccacgc 180
cgcaattaa gagcaccacc gcagaaaccc cacacccaac cctaacgccc ctcccccaac 240
tcccaacctc accatccccg acctctccct cgctttttcc gctatctccg ccgcccaccc 300
aatctcccc tccgtcgccc accgcgtcat cgagaaatgc ggcggtgccc gccacggcat 360
ccccttcctc caatcccttg ccttcttcaa ctggtcctcc tctctcgacg gcttccccgc 420
ctcgccggag ccctacaacg agatgctcga cctcgccgga aagttgagac aattcgacct 480
agcctggcac gtcacgac tcatgaagtc t 511

<210> 9120

<211> 321
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099h11a1

<400> 9120

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 aaaattaacg gtgaaaaata tctaataaga acaggaagga cttatttaac taaacaatat 120
 ggtgagcatc aaattcagaa taacaccctg ttctcatacc cgatagttca ctaatataat 180
 ttttttttcc actatgctcc aattgagtcc acagatagac catgaacagt aagactcatt 240
 ttaagaccaa ataactcaaa ccttataatc caactttttt ttttgagata ttccccacct 300
 tgtttctacc cctggtcgaa a 321

<210> 9121
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220099h11d1

<400> 9121

atctctgaac aagaagcaaa tacattctaa atgggggcat actacatatt tcattctcta 60
 tcctagtagt gttaaagctt ccacgcacat ttgttttccc ggtataagga gacgccgggt 120
 agaaaatgat atgtccatgc tactgtagga tttcaagtaa tgattctttc accagtaatc 180
 cccacaagag cattttccat ccttgaaatg atgaaacctt ttgttatctc tgacaattaa 240
 ttccctccct acaatcctgg acatgatctt gatggcattg tgacagtcac cacagactcg 300
 aaggttcttg atgattctaa gaggtgttct tgggtggagta ctaataagac cataggcaat 360
 tgctagacgt tcaactgtgg agagcaaggc ttgtcccttt gcttctgat caatgtcatg 420
 aagaacatat cttgtgtcag gaacataccc tgcttctttc atcccactca a 471

<210> 9122
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220100a01a1

<400> 9122

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tctggggccc taaccctaac tttattacct tggcaccac aatacatcac tcaactgggg 120
ctcagctgct caggggggta attccaaatc tccatcacgt ttttgtttca gttattctct 180
tcgttcgcga cgccattttg tttcgctgaa aagggcggtt tcctttgtag tcacggggtt 240
cgttttctct gttcgatttt tatatttggt ttggtgggtt tccaacttct gcctttcatt 300
tttctgcttc tgaataggac gctatttcgt ttcgtctagt taggggattg ggaatttttc 360
tgataattgc ttttgttttt gttgagaatt tg 392

<210> 9123

<211> 429

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220100a02a1

<400> 9123

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aagtctgtt tagtaggagg gcgctgtggt ttctgcaaaa cccatgtctc gagcctcttc 120
ggagcggtcg tcgatgcata tctaggtggt atttgcattc attcaaata gaactttgta 180
ggccgtatag ggtaaagggt ccatgtaatc tgcacttgca catggggttag ttgatcctac 240
gggacgggtg aagcctgtct gatatcgctc tgtgcgcgta cttctaaagg gaatcgggtt 300
aatatttctg aaccgggacg tggcggctga cggctgcgat tgggagttct gagacgttcg 360
cgggggcccc ggactgagtt atcttttctg ttttaacagcc tgcccaccct ggaaacgggt 420
cattcgat 429

<210> 9124

<211> 69

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220100a05a1

<400> 9124

ggcatatgaa actcagagga tgtacctgcc gtggaccctt caacccatt gacgctggct 60

gaccatcca

69

<210> 9125
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220100a06a1

<400> 9125

ccaagtccac tttggtggca gttgaacgag tttgcaaccc cacacacaaa aaccaaacc 60
ttaaaaatgt catccccctc gccggtggcc acggtggtct ccgccgccgc gctgtacgac 120
cgcgccaaag ccgtgaaaga attcgacgaa accaaggctc gagtcaaagg tttgatcgat 180
tcgggaatca gaaccatccc ccctttcttc gtccaccgc ccgaaacct agcggacctc 240
aagcgcgga ccaaaccggt gtccgcgcgc gagatcccca cggtggacct cgccgccgag 300
gagagctccc gcgccgcgt ggtggagcag gtccggcggg cggcgagcac cgtgggattc 360
ttccaggtgg tcaaccacgg cgtncggag gagctgctat ttgcgaacgc t 411

<210> 9126
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220100a07a1

<400> 9126

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atggggacgt gcagtataca taaacattca aaaatttgtg cagtttcaat tgacagttaa 120
tgttgttgct ctggttatca acttcttttc tgcgtgcac actggatctg ctccactcac 180
cgctgttcag ttgctttggg tcaacttgat catggacact cttggtgcat tagccctggc 240
tactgaacct cctaacgatg gacttttgaa aagaccccca gttgcaaggg gagcaaactt 300
tatcaccaaa cctatgtgga ggaatatcat aggtcaaagc atatatcaat taatcatcct 360
agggattcta aattttgacg ggaagaggct actcggactt agtggttcag atgcaacgaa 420
agtgtcaac actttgatat tcaactcctt tgtattttgc caggtgttta atgagataaa 480
cagcagagat attgataaga taaacatatt cagaggcatg ttgac 526

[illegible]

<400> 9127

<400> 9128

<210>	9129
<211>	551
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220100a10a1

<400> 9129

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 aacggatcga cgatgaagac gaccttctga tccgtcaagt ggtgccggat gcggaggacc 120
 accacctgct caacgcggag caccacttct ccgccttcaa gacaaagttc ggcaagacct 180
 acgccacgca ggaggagcac gaccaccgct tccgtatctt caagaacaac ttgctccgcg 240
 ccaagtcaca ccagaaattg gatccctccg ccgtccacgg cgtcaccagg ttctccgatc 300
 tcaactccggc ggagtttcgc cgccagttcc tcggcctgaa gccgctccgc ctccctctg 360
 acgctcagaa ggctccgatc ctaccgacca acgacctccc taccgatttc gattggcgcg 420
 aacatggagc cgttactgga gtaaaaaatc agggttcgtg cggatcgtgt tggctctttt 480
 agcgccgtgg agcgttggag gtgctcattn tctttctaca ggtgagctcg tgagccttag 540
 cgagcaacaa c 551

<210> 9130
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100b01a1

<400> 9130

gtccataatg gattgagttc ctcatcttat aaaatgagcc aaacttggtta tgctttgtgc 60
 tgatcacttt tggagttcac tttttattct catcaagata tcatcataat tccaatgtct 120
 aaacttggtga tttcactaga tcattctcaa actatgcata accattccca agcctttcga 180
 atttgtatag ataatcatta ggagttcttt tatacattct gccattgaag gtctttcatt 240
 actctcagta cggacacatc ttgatgccag attggcaaac atgactatag actgaatggt 300
 gtaagaattt cgagccatct ctggatctat caccttacga agcttcttgc ggtcattcag 360
 tatgtgcttc acctgtagta caaggttttg atcgttggga ccttggttta gatctacagc 420
 tcgacgtcca gtcaaaagct ccaaaagaac aacaccaaaa gcataaacat cactctgtag 480
 agtgagtttc cctgtcgatg tatactcttg atcaaa 516

<210> 9131
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100b02a1

<400> 9131

gtgggggtggt gagcgtgcc aaatctatga gaatggaaac cttctcacac tctcccttga 60
 cagagcctct ggctctggct ttcgttccaa aaaagagtac ttgttcggaa aaattgacat 120
 gcagctcaag cttgtgcctg gtaactctgc tggaacagta actgcctatt atttatcttc 180
 tctggggcct actcatgacg aatagacttt gagtttttgg gtaacttgag tggatgatcct 240
 tacactctcc acacgaacgt attcagccaa gggaaaggga acagagaaca acagttccat 300
 ctatggttcg accccaccaa ggacttcac acatactccg tccaatggaa tactgcaagc 360
 atcataattct ctgtggacgg gacccaata agggagttca agaatttgga gacgaaaggg 420
 gttccattcc caaagagccg acccatgaga atatactcta gtctttggaa cgctgaggat 480
 agagccacaa ggcgtgggct tgtgaaaacg gattggagca tggccccatt cacagactca 540
 tacag 545

<210> 9132
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100b03a1

<400> 9132

cgtttctctc tctggatttt gttccctctg taggtgatgg cgagtacaaa cacatagtgg 60
 ggactctgtt gaaagcaacg gggacaccga acttggtgga ttattttcca gtgttgaggg 120
 tgtttgatcc acaagggatc aggaggcaca ccaccaacta cattgacaag ttgttcgatg 180
 tgttcgatcc catgattgat gaacgcatga ggaggagggg agagaagggt tatgccacta 240
 gccatgacat gttggatata ttgctggata tttctgacca gagtagcgag aagattcata 300
 ggaagcagat caagcatttg ttccttgacc tattcgttgc ggggacggat acaacagcct 360
 acggcttaga gagaacaatg acggaactaa tgcacaatcc agaagccatg agaaaagcga 420
 agaaggagat agcagaaaca ataggagtag gaaaaccggg ggaggaatcc gacgtggcaa 480

ggctgccata cctgcaatca gtaaaagaat ctctgcgaat gcacccacca gcaccac 537

<210> 9133
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100b04a1

<400> 9133

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 ctttcccaat acgatgatgc tattttggct tacaaaagggt gtctcgaaat cgaccctcac 120
 aacgagcccc ttaagtctgg tttggcagat gcgcagaagg ccttgggccgc ggccctccagg 180
 cctcgccctt cggcctctaa ccccttcggt gatgctttct ctggggcctga gatgtggggc 240
 cgtctcaccg cagaccccaac cactaggggt tacctccaac agcctgattt cgtgaagatg 300
 atgcaggata tccagagaga tcttaataac ctcaacttgc acttgaagga ccagagaatc 360
 atgcaggccc taggagtttt gctcaacgtc aagattcaaa cccctcccaac gggggctgac 420
 accgatatgc cggattctcc atcgccctct gcgycagcgt ctgagaggaa gagagctgcg 480
 gaagccgagc ctgctaagca gcccgagcct gaacctgagc ccgagcccggt gcccatggaa 540
 ttgac 545

<210> 9134
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100b05a1

<400> 9134

aaatcttatc ttaactaccc tttcacaaca accacgatac tattttctcat actctgggga 60
 ggcaaaaaca ccaccaaagtg ggagaggaaa aggagcagcc taagaatgac accgagaaaa 120
 agcccgagga ggtagcccc aagaaagacg acggacccat cctgtcgtt tacaaaactcg 180
 acttgcattg cgaggggatgc gtcaagaaga tcaaacgcac ctgtcgccac ttcgaagggtg 240
 tggaaccggt taaggcggtat ctatcgtcga acaagggtgac tgttaccggt aaaatggacg 300
 ccgagaagct gcgagataag attgccgaga gaacaaagaa gaaggttgat atcatatcag 360

002220-CTTGGG

ctccgccgaa aaaagaagcc gacgttgccg aaaaaccgcc ggagaagaag gcagaagaca 420
agatgcctga tgagaaaaaa ccagatgaaa aacctaaga gagtacgggtg gttttgaaga 480
tcaaactaca ctgtgacggt tgcattgcga aaattcgaag aa 522

<210> 9135
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220100b06a1

<400> 9135

atcaaattca agagattccc aaactttttt actttttatt ccctttttct cactatacaa 60
tacaaatata cattcaacaa ttttcgattc aagttcaaag ccatcgacga gtgttgagga 120
agaataacaa tgggaatgat agtggattat gaaaatgacc aaaacgacgc cgttctggtt 180
ccgcccctta acttcgccat ggttgaagac tgcgttttcc gatccagctt cccaccct 240
tccaatttcc cttttctcca aaccctaaac cttcgctcca tcatgttagc tcctctctct 300
ctctctctca atttgcaatt gtaaagattc tttcatgctc caatttttct tttctgttgt 360
ttcccctcac attagttaat tgaggaaaag gaatggatat tatgtgtgtc tgcgagtgtg 420
ggtcttccac acaatatttt gcgtgtgtgt gtgtgtgtgt 460

<210> 9136
<211> 625
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220100b07a1

<400> 9136

gaatagtcta atattttattt tcctcttcca aatactttga atgaggccac tatgggaaca 60
acgatactct ttgctatgca tgctaggttg aacttcatct gccatgtaaa ttcataattg 120
aaciaagcta aataactaat agtgtaaca aggtttattt tggttctctt ttctggccaa 180
gtgagatcac ttttacttct ggaatacatt caaaaatcaa aatcatagtgt gtgatctgag 240
gatgcaaaag tttctgttta tgactaaagc acacaattgc ataggtctat ttcaactttt 300

agttaaaact ttttgcagat tgaaataatt ctcaatctgt ttattcatga gactcacagt 360
 atataaagta ctaaactttt cagtgtatta tatatagatt ggttatttat tctaactgaa 420
 aatgtcttct acttttttct cagcaaagtc atcttagaag gttcaacaag attttatcag 480
 tgagcacttg ttactatct ctcaagactg aaatttngta tgagctgagt gaataaaagg 540
 agaactatgt cattggttat atctacagag ttggctgata catcatatgg gaatgccagc 600
 tctaacta aaggaactga tgttc 625

<210> 9137
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220100b08a1

<400> 9137

aataaaggct gcagcatcat tcgctatgtg tgtgcggtgt aggttggtat tatectctg 60
 gggcttgat gaatgctacg tgtgaagggt ttgatgtttg atttgtggat gcataggatg 120
 caataattct actgcttcta aatgaatata agtgcgggt gtataagggg ctttctactc 180
 ccctcgcggt gctttcatct ctagattagt actcacacct tataaaagag aaagaaaaag 240
 aaaaagagag tgatgaaagc ggagatgaag gatggagctc ctcaagttgt gatgaatcat 300
 aatggtaacc acggcaaatt ctcacaccta cttgcttccc aagatcgtga ctatcttctc 360
 tctccaactg gggctcaggt gaaagtttct gatcttgaag ggaaagtagt gggcttatta 420
 ttcgctgcga attggtaccc accttgccgt ggattcaccc aagtcctagc tggaatctac 480
 gaggagctaa aaagcagagt ccctcaattt gag 513

<210> 9138
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220100b09a1

<400> 9138

ctcagtgtac ccaaaaacag atgcagaagg aggaagaagt agaagaagat tagagagagt 60
 gagtgagtga gcgagggata attggcgagt tagggtttcg aattgactca ctgagtcttt 120

gcattgtgtc gccggttttt tttttcgccg gagaaaactc gtgctccgat ctctctgtct 180
 tttgttttcg atagcatagc tgtttgaaag gttcgggtttt cccggcgagg atagtgggat 240
 tttccgggga ttccttggtg aattgagttt gggggaattc ttgattttga cctaaagcaa 300
 aggtctttac tcaaaagttt tactggattt tgngttttta tttttatttt ctattttttt 360
 ttttttttgc gttgagtaga ccgagcatga gtgagtgtca ttgtgtntga gatttggggg 420
 tgatattttt tggtaaataa aaaacaagat anaattttatt cttttaagat tctgaaaact 480
 atcttatact ttttttta 498

<210> 9139
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220100b10a1
 <400> 9139

accgattgct agaatggaat ttcgatgtc agtcattctt tttaccattc tcttctctct 60
 tgctcttgca ggagagagcc atgtccatgc atcgctacct gaggaagatt attgggaagc 120
 tgtttgcca aacactccca ttcccactgc actgcgagag cttctaaagc ctctccctgc 180
 aggtgttgaa atcgatgaac tccctaagca aattgatgat acacagtacc caaaaacatt 240
 cttctataaa gaagaccttc atccaggcaa aacaatgaaa gtacaattca ccaagcgctc 300
 ctatgcacaa ccttatgggtg tatatacatg gttaacggat attaaagaca cctctaaaga 360
 aggatatagt tttgaagaga tatgcatcaa gaaagaagcg tttgagggag aaga 414

<210> 9140
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220100c01a1
 <400> 9140

gaccgtgaaa aactctttat tacttgcaaa ccgatcgggg ggagtcaa atacagacatac 60
 aggccataat aaccatagac aagtattggt tattttttttt caaagccacc atctataagc 120
 caaccacaca caccttttta tatggggaaa ctggtgggaa atcctttgaa acacaaacct 180

ttctcacttg aacgatggag caatgtgtat ggaagctgaa ctggcccatg tcggcttttc 240
 aaacctggat cattgttccc ctgtgggaat tttccctcaa tttctggccg gttggttccc 300
 aaccttttga aagctttcaa tgcctttgaa tccgcagtc aatttggatt attcctttgg 360
 gccagggaga cctcatcaga agcatgcctt gacaatatct ctatcact 408

<210> 9141
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220100c02a1

<400> 9141
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 tccaacgttt ccaaattattc acataagaga agaacaatag ttctctccct agaaactcat 120
 gatatgctag ataagccatc cttaggagca atatatccgt cctcttcaat ttattagcag 180
 aaggtgtgtt gcgtattaga ccatagtctt tttgtcattg ttgtttccca acaacgcagt 240
 ttagcctttg agagcatcag caatcacatg gtgatcagaa tatcattcag caattgaaga 300
 tcagtggcat caggcatagg ctagcaagca atgatatggc tttcttccca gcaaatttca 360
 tgctacaaac acctcaccaa gatgaccatc aacctccacc ttcactcaac tcaattataa 420
 cttcatgtgc acctcaagag taccatggtg gaggagcatc ctttcttggc angagatcta 480
 tgtcattttc agggattgaa ctnggagaag aagctaattgc tgaggaagat tctgatgatg 540
 gatctc 546

<210> 9142
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220100c03a1

<400> 9142
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 ctccgcacgt cacttcgcgt ttttctcaga ttcactctcg ccgtcgcaga tccaaccac 120

catggatggt tacgacgcca ccgtcagget cggcgccatc aacctcaagc acggtcgcgc 180
 cgccgatttt gactccgcct ccccgacgt atccgtctcc tctccggtca cgcgccagaa 240
 agccgcccgc gccaagcaat tcatcgagaa tctactacaaa aactatctcc aaggattgca 300
 ggatcgcaaa gacagacgca gagcgcttca gagaaaagtg caggagtctc agatatcggc 360
 tgaggagcag gaggaaatga tgaggaactt ggagcgccga gaaactgagt acatgagggt 420
 tcagagacgt aaaaattgaa tggatgactt cgag 454

<210> 9143
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100c04a1

<400> 9143

tagcgccgcg aggccaaggc aacactcatc tgaatttctg aactctcaaa aatggaaacg 60
 ccaactgtaa cgatacctaa aattggacca aaaccgtcaa agaaattgaa gcttcccaca 120
 ccaaaggagc tgatatcaca ctatgagtct tagggtagtg actcgcaaga tgcgtccttg 180
 aaggtcatcg aggatcttta gaaggcgctg tttggagtaa tatcttt 227

<210> 9144
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100c05a1

<400> 9144

ggccattcca atcttcgctt tttttcacat gcaatcaacc actgatgctg cctgcggggg 60
 acaaatcggt gggatacatc ccaaagcgtc tatagagccc ttactcaa ataccgtttcaa 120
 ccctaataga cagctttgtc gcatagcact ttttttacga tgaccctgag tccgtcaccg 180
 ttaaccttgg gtacatcgga ctcttggcct atactgttca caaacagaag ccgctcctcc 240
 catgctgctt gcgggactgg atgacattct ctgtttgtta caaggatcatc ttgagaatgt 300
 tgctgacctt aagcaacaat gtggattgaa caatacatct actgacgcga ccattatcat 360
 tcgaacatgc aggactctac acagatcgtg gtccctatcc tgct 404

<210> 9145
 <211> 132
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100c06a1

<400> 9145

ttggggagaa agaaagaaag aaccaaattc atctctctct tgctctctct ctcgttatct 60
 cgggggctaa cacactcgca cttactctct cttaaaacca ccatttacga ggtcgcgtct 120
 actctggctc ta 132

<210> 9146
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100c07a1

<400> 9146

ctaccaacta ttctctctcg ttctctgatt tetgaaatcc ctcacccatg gcttcctctt 60
 ccctctctct ctcaactctct ctcacccttt gccttggttc cactctctgc tacgctcaca 120
 catcttcctt aaccctacct gtgacaaaag accattcaac acaccaatac ctaacaatcc 180
 tctcttatgg caccctgtt gagtctgcaa aatttggtgt tgatctcgga ggctcactcc 240
 tctgggctga ttgtgcatcc agaaccaccc catttttcac ccttcgcccc attttccacc 300

<210> 9147
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100c08a1

<400> 9147

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 acattggcct gaaccattg tgcgcctca atccttatcc gaaaactgcg aacattcaat 120
 ccctgaaagg tacatcaagc cttatactga tagaccatcc ataaaaagtt gtaattttga 180
 tgatgccaat attccaatca tggaccttgg gggactatct ggtgctgacc aacatgtctc 240

agcctcaatt cttaagcaaa tcttacatgc ttgcaaagaa tggggctttt tccaagtcac 300
 taatcatggt gtcaaccctg atttgatgga caaggtcagg gaaacttggc gtgaattctt 360
 tcacatgccc atggagggtga agcagccata tgcatacttc ccaaaaacct atgaaggcta 420
 ccgaagcaga cttggaattg agaaagggtgc tttttctgat tggagtgata actacttttt 480
 cactaatctc ccttttactc aaggactata a 511

<210> 9148
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100c09a1

<400> 9148

ccagaattca catgtgcttg tgtcaccaac aacatctcag aattcacata tgttcatgtc 60
 accaacaatct caaccataa cccgaaaaaa ttcaaagga aggttgaact gtctatgctc 120
 acccaccaca catgctgggt ccttttagatg tcgacaccat cgatcttctg gaattcgtcg 180
 gggcaaaatc cgtgggt 197

<210> 9149
 <211> 302
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100c10a1

<400> 9149

cagcaggatg tccaacatct gcattctatg cagtagtcat tgaccaagat atttcccaat 60
 gcaaagaggg agttaaaagtg attacttcca acataccaat gaagccttct ctatttgcca 120
 cagccaaaaa tgtgaactat cttccaaatg tcctttcagt aatggaagct gaagagaaaag 180
 gagcatcttc ttctatatgg gttgatgagg aagggtatat tgctgaaggc ccaaagtga 240
 atgttgcttt cttaactcaa gacaaggaac ttgtcatgcc ttcttttgat aacatcttac 300
 at 302

<210> 9150
 <211> 119
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220100d01a1

<400> 9150

atagggggccc ctaagcccc gggcggaat ccggttttac ctaaccggg gaggggaaaa 60

ataacttttt tatgggggca ccaaaaaaaaa aataaagggg cggggggttaa aaaacaggg 119

<210> 9151

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220100d02a1

<400> 9151

gctgaaactg cagaagcggc tcgcagccag cgtctcaag tgtggcagag gaaaggtttg 60

gcttgacccc aatgaagtca acgaaatctc catggctaata tctcgccaaa acataaggaa 120

gctgggtaag gatgggttta ttatcaggaa gccaccaag attcactctc gctcacgtgc 180

ccgccgaatg aaggaagcca agaggaaagg acgtcactct ggatatggta agcgtaaggg 240

tacaaggag gcaaggcttc ccactaaaat cctttggatg aggagaatgc gtgtgcttag 300

acgcttgctt cgcaaataca gggaatctaa gaagattgac aagcacatgt atcatgacat 360

gtacatgaag gtcaagggtta acgttttcaa gaacaaaaga gttttaatgg agagcattca 420

taagtccaaa gccgagaagg caagagagaa gaccttgtcc gatcaatttg aggccaaacg 480

tgccaagaac aaggccagca gagaaagaaa aattgctcgg agggaggagc g 531

<210> 9152

<211> 492

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220100d03a1

<400> 9152

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ccaacagaac caaattctgc tagctagcta gtacgtcaaa ggaaataaaa taatatggca 120

ttcagcggga cccaacagaa atgcaaggct tgcgacaaaa ctgttcactt ggtcgaagg 180

ttatctgtcg atggggctgc ttatcacaag aattgcttca gatgcagcca ttgcaatggc 240
 cttcttgcga taagcaacta ctcatccacc gaaggggttt tgtactgcaa ggtgcacttt 300
 gagcagcttt tcaaggaaac tggcgccctac cccaagaaat accagtcgtc tggaaagcct 360
 tcaactcgagc tgaatagagc accaagcaaa ctttctgcct tcttctctgg gactcaagaa 420
 aaatgttcaa aatgcaagaa aacccgatat ccattggaat agttgaccgt ggaaggcgag 480
 ttttaccata aa 492

<210> 9153
 <211> 153
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100d04a1

<400> 9153

attattgcgt tacaagtggc ttcttgtaca tagtgataaa aaggctgctg attgggggtga 60
 acattcttca gatcctgcc cactgtagtg cctaagtttg gtaaagtcta aaatacctgt 120
 tgccaaaagt ttccactggt cttcaaagtg ttt 153

<210> 9154
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100d05a1

<400> 9154

ctcttcctcc tcttcacat agccaaagg cttcacaacc ccaaagtga tgctacccat 60
 caacatgacc atgatggctc aaccctccaa gtgttccatg tgttcagccc atgttcccca 120
 ttagggccct caaagccaat gtcatgggaa gagagtgtcc taaagctaca agccaaggac 180
 caagccagga tgcagtacct ttctagcttg gtggctagga ggtccattgt cccaattgcc 240
 tcagggaggc aaatcacaca aagccctact tacatagtga aggccaagat tggtagccca 300
 gctcagaccc tctcttggc catggacact agcaatgatg cttcctgggt cccttgcaact 360
 gcttgtgttg gctgctcaac aaccactccc tttgctccag ctaagtccac cactttcaag 420
 aaagttggat gtggtgcttc tcatgcaaac aggtacggta cccacttgc gacggaagcg 480

cgtgtgcatt caacttcact tatggca

507

<210> 9155
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220100d06a1

<400> 9155

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tcagattgtg tgaagatggg ggctgggggc cgaactgctg ttcctcctgc caacaggaag 120
tcagaagctt gancctttga agcgggtacc cattgaaaaa cctcagttta gtctcagcca 180
gattaagaag gccattccac ctcaactgtt ccagcgtctt ggtctccgct cattctccta 240
tgttgggtat gacctacca tagccttctg gctttattaa ggttgccacc aattacttcc 300
acctctttcc gggctttttc tctttcgtgg catggccaat ctattgggct gtccaggggt 360
gcacccctaac tggntgttgg ggtcattgcc catgagtgtg gtcaccatgc attcagtgc 420
taccagctgc tngatgatat tggtggcctt atcctacact ccggtctcct agtcccgtag 480
ttttcatgga aatacagcca 500

<210> 9156
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220100d07a1

<400> 9156

cgttattcgc ccgacacatt ttttctccga tccctattc ctctccattc tccgttgggt 60
cgatttttgt tactcaaaag ggaaattgat ttgatagata gacagataga tcggttctat 120
gggttaaagt gaaatccgaa tccgaatctg aatctgaatc tgatccaatc attttcatgt 180
tagggcgctg gatctccaat caagcgcggg tgtgtttagg tttcattttg ttgggcgtgt 240
gagtcgtagg gggtttcgaa gagcatagaa taatgccttc ggtgcccgtt gatctccgtc 300
tagtcccttt tttcacggtt taccatgggg aacctctttt ttcacgtctt gaaaaatttt 360
aaaaaagggt agcgggggtgt taatttttaa taactactgt ttgtattttt tccccctat 420

tttttttttc ctcttttttt g

441

<210> 9157
 <211> 569
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220100d08a1

<400> 9157

gaaatggagt tccaagataa gcgtttatct ctgagatcga gcttgacgtt cagcgagacg 60
 ctgtgcgcag tggtcattcc gttcatagga atagtcgaag ctttggtttt cacattcact 120
 agttgcttcg atttccaatc tcccaggaat aagaagaaac attcttctac cttcgacgac 180
 attctcacc cgcgcgagga ttctccattt agtattaatg aaatcgaggc cttgcgtgag 240
 ttgttcaaga agttgagtag ttctatcatt gatgatggcc tcatccacaa ggaagaactc 300
 acattggcac tggtgaagac caccaccggg gagaatcttt tccttgacag ggtgtttgat 360
 gtctttgatg aaaaaagaaa cggcgttata gaatttgagg agtttggtgca tgctctcagt 420
 atctttcatc cttgtactcc tctggaaaag aaaattgatt ttgcttttag attgtatgac 480
 ttgagacaga ctggatatat tgagagagaa gaagttaggc anatggttgt tgccattctg 540
 tcagaatgtg gcatggatct ggatgatga 569

<210> 9158
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100d09a1

<400> 9158

ggcagaggaa acttagagga ggaggcaaact gtcaagcctc caacccatt gacgcttgct 60
 ggagatgcaa taaagactgg gccaatgacc ggttcaggct agccaagtgc ggcaaagggt 120
 tcggaagacg ggccaccggc gggctcgggtg gtccatcta tgcgtcacc gataattccg 180
 atgacgacat ggtgaaccct aagccgggga actatccgtc acgctgtcac caaaaaggc 240
 cccttggtga tcatcttcgg acacagcatg atcatcagtt tgaggcaaga gctgatgatt 300

tcctccgaca agaccatcga tggctcgtggc gcaaactgtgc aatttagggg cggctgctggc 360
 ctcaccattc agttcgtgaa caacggttatt atccacggag ttcgcatcaa ggacatcgta 420
 cctaaggatg gtggcatgat tagggact 448

<210> 9159
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220100d10a1
 <400> 9159

cgagtcactc ggtgaggctt cttttcttct ttatcaagga tcattctctt gtgtcaggat 60
 ggggggagcg tgttctagga agcaagagcg ggacaacaaa gatagtccta ccagaggact 120
 atcacgaaga tattgcaaaa gcgggacttt gaaatgggtg acatcctctt tttcttatcc 180
 atctgtagat tttcacctac gaaaaggaga atgtccacca ctggttgact tgtgcataca 240
 gaaaataaat gaggatattg ataaatataa cacattttct atgctaccac gagatataag 300
 tcaagtaatt ttcaataatt tgggtttactc ccgacgtcta accagtgcct cccttgaagc 360
 ttttcgagag tgtgctctcc aggatcttta cttgggagag tatgatggcg ttaatgataa 420
 taggatgggt gtcattctcat cccagggttc atctttgctt tctgtagaat cttctgggct 480
 tgatgtcact gatattt 496

<210> 9160
 <211> 293
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220100e01a1
 <400> 9160

atcaaattca agagattccc aaactttttt acttttttatt ccctttttct cactatacag 60
 taaaaatata cattcaacaa ttttcgattc aagttcaaag ccatcgacga gtgttgagga 120
 agaataacaa tgggaatgat agtggatttt gaaaatgacc aaaacgacgc cgttctgggtt 180
 ccgcccacta acttcgccat ggttgaagac tgcgttttcc gatccagctt cccacccct 240
 tccaattttc ctttttttca aaccctaaac cttcgcttca tcatgttagc ttc 293

002220 " E T F E S 6 0

<210> 9161
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220100e02a1

<400> 9161

gtcgagccca aacacgtgcg acccggcatt cgcgccctcc tcggcaagct ggaaagtgaa 60
ttggaggagc tcgaacggaa cgtggaaccg tcgtggccaa agttggtgga accgttggag 120
aagatcgttg accggttatc tgtagtttgg ggcattgatca atcatctaaa gtctgttaag 180
gatagttcgg agctacgttc tgctattgaa gatgtacagg cagaaaaagt taagtttcag 240
cttagactgg gtcaaagcaa acctatztat aatgcattca aagccattca ggagtctcct 300
gattggcaga cactcagtga tgctcgaaaa cgtattgttg aaagccaaat aaaggaggcg 360
gttcttaatg gagtttctct tgaagatgat aaaagagaaa gttttaacaa aattgaacag 420
gagctggaaa agttatcaca aaagtttggg gagaatgttc tggatgcaac anagaagttt 480
gaaaagctaa tcacttgata gaaggaaa 508

<210> 9162
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220100e03a1

<400> 9162

acaaaagaag agagagacag atagaaagag aaccgtttga gaattttaga gacgttatcg 60
gatttcaaat ccaacaattcg ccggaatttg ggaaccgcgg ttgcgtccgg agcctcggtt 120
agtagttagt tagggtttct tttttctctt tcttctcttc cattcggttt caaattttcg 180
cgattagcga tggaggaacg aggctgaggc cgaatttcaa ggttctggtt tcgtcgtcgc 240
tgtggagtga agaattctgt gctgctgctg gtggtgatgt ttacgccgca gagggtttgg 300
tcgggctggt ccctgacttc gaacaggagc ggggttcggg gcggaaccgg gtcgggttcc 360
gatttgggtc cgaattcggg agatggagcg agcacgaagg gaaaaggtgt cgcgcttggt 420
gagaatggtg ggaacttgga tcgcgaagtt ttggttgaga gggtttccag cctcgagaaa 480

gagctttatg agtaccaatt caatatggga ctgctcttga ttgagaaaaa agagtggaat 540
tctaagtata cttgactaag tca 563

<210> 9163
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220100e04a1

<400> 9163

attctgtatc aaatctcagt cttatattgg ctgtgtacat agggttatat tattgagggga 60
ctgtatttgt gttcaaattc caattccaca tgggtgaacat aatttgattg ctgttagttt 120
tccaggttat gtagactatg tgacaatgca acattatttg gattggccca atattctggc 180
t 181

<210> 9164
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220100e05a1

<400> 9164

taacgttggg agtgggagtg ggagtgggtg ggagttttat tccgatctta ctccgggggc 60
ggattgattt tctcgcgcg ccccgttgct tctcgttttc ctgaattcct tcagtgtctga 120
tggtcattat ggatctatga ctttacacga gcagagttag cctgtgatgc attagtccgc 180
tatccagagt ttactcgatg agtccagcat ttgaacttgt accccttaga agcctattca 240
caatcccatc ctcttctaaa acactactct gaagtgattt ggtggatgaa tagatcaagt 300
gtcctcttgg catgccctgc tgccattctg atgatactca ttatgataat ctgaatgaga 360
ttgtaaaaat tggctgcgac cattgacctt catcatggat cgaagccata cagccgatcc 420
cagaggtgca agctgcaatc ctacggtcac ctttgttcca acatcattga tcttaaccag 480
actggtgagc gtgctgctgc tctttcttgt tattaacact ccct 524

<210> 9165
<211> 611

cactcttact gcagtttatg tggatctctt gctcggttaag ccacaggaag ctttgaccaa 480
attaaaacg 489

<210> 9167
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220100e08a1

<400> 9167

tgccacttca aaatctcttc attttcttaa gtatttatac actgtgggtc cccgcaatta 60
aattagtttt cggctacata aacagccagt aatctttata tttttctcaa atatatatga 120
ccgtcatcat gatcgttggtg gtttgaaact gtatataata ggaacaagag tttatttcag 180
ttacttgggg gaacattaaag cttggttcat caaaaggcct catcacttga agggttacta 240
tatactactt ctgtgactga aaagtgaact gaggtgtata actgcaaact ggtgtttggt 300
ggtggaagct gtttgttgct gctcttgctg ggattctctt ctcaacccaa cattgtgctt 360
cccaaaaagt tccaaactac acatttatgc acaatgcaac gacagcacca gacgtatcat 420
actacgacta catcgtaatt ggcgggcgga ccgcagggtg tccttttagct gcgacactgt 480
cccaaaatta c 491

<210> 9168
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220100e09a1

<400> 9168

aaatcttata ttagctaccc catcacaaca accacgatac tatttctcat actctattag 60
gcaaaaacac caccaaattg gagaggaaaa ggagcagcct aagaatgaca ccgagaaaaa 120
gcccgaggag gtagcccca agaaagacga cggacccatc cctgtcggtt aaaaactcga 180
cttgcatctg gagggatgag tcaagaagat caaacgcacc tgcgccact tcgaagggtg 240
ggaaaccgtt aaggcggatc tatcgctgaa caagggtgact gttaccggta aaatggacgc 300
cgagaagctg cgagataaga ttgccgagag aacaaagaag aaggttgata tcatatcagc 360

tccgccgaaa aaagaagccg ccgttgcgga aaaaccgccg gagaagaagg cagaagacaa 420
gaagcctgag gagaaaaaac cagaagaaaa acctaaagag agtacggtgg ttttgaagat 480
caactacac tgtgacggtt gcattgcgaa aattcgaaga atcattctta 530

<210> 9169
<211> 368
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220100f01a1

<400> 9169

ctttattttc ccttcaattt ggattaaggg cagccatagt tgtttcctct ccaaaattgg 60
ccaaagaggt aatgaaagac aatgaccttg agtgctgtgg acgacctaaa ttactaggcc 120
aacagaaact aacctataat gggttagaca tgggattttc ctcatacgat agttattgga 180
gagaaatcag aaaaatttgt gttgtccatg tccttagctc caaacgtgtc caaagcttta 240
cctcaataag acattttgag gtcaagcaga tgattaaaaa aatatctagg catgcctcat 300
cttcaaaggt acaatttaaa tgaagtgcta tattctttat taaactattg gatgagaaat 360
ggtttggg 368

<210> 9170
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220100f02a1

<400> 9170

ttggcgtctc tactccgtca cacgacaggg gaaaacaagc gtaacaataa attgtcgagc 60
ggaggagggc tttagaaaat gttgaagctg gtctctatgt cgagttctgg atgcaaaacg 120
gtggcactgt tgggaagacc acgaaagatg ctgaatgaca gtgcgacgac cggcacaatc 180
ttctgatacc ggaaggggag ggtgagtttg gcgatacatg aggacactcg ggcaacgcct 240
gtattttctga tggagatgcc gaagcttgcc aacgccctga acaaggagaa tgcgtcagac 300
atagtgagga ttgctctcga gagcgagacc aagagctaca accaacaagc ttctggagga 360
gtactgcgtg ggctgtgtat tgcaatggga ggaaagttgg ctaatccata aggaggaagc 420

aaatg

425

<210> 9171
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100f03a1

<400> 9171

cagcgctagc tcttggttaa ttcttctcta ccttactact ccctcacttt gtgttagaat 60
 catcatgggt ttgcaaaacc aattaaacga cgtgtcgctg ggttcgattc cgcttctggt 120
 gttggcgcag atagccacct gcgtcaacta cctccgctcc atgcttttcg cgcttttgca 180
 aaccctaggt ctcagccgat tccactccga ccagatcgtc gacgagcgct tcctcgccgc 240
 cgtcggatcc ggcctcgccg gacttatcat gctctccgat cagctcacc tcagcagcca 300
 attcttcac catcaccacg gcaccgccgt cgggcacgac cagaccacg accaccaccc 360
 ctgcgtcgtg tgccatgcca ccttcgagga cggcgaccag gtccgcatgc tcccctgccg 420
 acacgtctta caccggcgat gcttcgacgg ctggctccac cactacaagt tcaactgccc 480
 actctgccgc tctccgctct tctccgacga gcgcgtggca ctcacgga 528

<210> 9172
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100f04a1

<400> 9172

gtgacacaga aattaagcta gagcttcata gtttcttctt cttttctcac cttccttctc 60
 tcccttcaga caaagggaca aaaaatcagt gtgtgagaga gagagagaga aattccaaaa 120
 ccatgtcca cagtcattta agtttcgcct ttgggattct aggtaacatt gcctccttcg 180
 tgtgctttct ggcaccacta ccaacatttt atagagtttg taagaagaaa tcaaccgaag 240
 ggttccaatc aattccatat gtggctgcac tcttcagtgc aatgctttgg atcttttatg 300
 cctatgtgaa gaccggagaa acgcttctta tcaccatcaa tgcattcggg tgcgtgattg 360
 agacaattta ccttgccgta tttatcactt actgcccga gaagctagga tgtcgacatt 420

gaggatgatt gttttggttaa att

443

<210> 9173

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220100f05a1

<400> 9173

ggcaaaagag atgggacctg taaagttgag caagttataa acatattgaa atgatcatga 60

cgaaaaacga actagttata aacatattga gtactttata aacatattga gatagcctat 120

ttgtgattgg gattctgcat acttatctat aataatatag ccgaaccttt tatatgtggg 180

tcaaaagtag ttgttgata agaccaacgt gtcacttatac tattttgaag tcaataaatc 240

catcctggct tccattatat 260

<210> 9174

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220100f06a1

<400> 9174

atacgtgttg taattagaag aattattgga tatcatagat aatctcttta tcaagaatta 60

tatatcggaa gatgcgattc tagatatgga aaaaaatatg tatagaaagt attttgattg 120

gatgggaatc aatagagaaa tactaaatcg ttccatatcg aatccagaat ttgggttctt 180

ttcaaaatct gtgatatttt atgacgcata taggggtaac tcgcaggtta taccaatcaa 240

attacttttt ttttcttcta atgtaaatca aaatgtagt gaaaataaaa agaacattac 300

tagaaagaaa aaaaatgaat ctcttgaatt ggagtttagag actcgaaatc gggcaaaagc 360

agaataccct gatcaacgaa atcttgaatc atctatctca aaccaagaaa aagatattga 420

aaacgattat gtaggatcag acagtgaaaa gaatagtaag ggtataaaga aaaagaaaga 480

cangaacang atggaggcag aacttaattt cttacta 517

<210> 9175

<211> 373

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100f08a1

<400> 9175

cagctcctcc aggccaaggt atcaatcctc tgaatttctg aactctcaaa aacgggggcg 60
 caatctgtca ctaatcctaa aacctacca ataccttaaa tgaaaatgca attttccaca 120
 tctatggccc taaaatcaca ctattagtagt cagggtatgc actctcaaca tgccttctac 180
 cagggtcatca tggatcttct taaagacttg attgtataaa gtccatttgc ccatgttaac 240
 atgacaagct attgactgaa tcttttatga agattgatgc aattagcaat cgactcactg 300
 ttcttgacat gaatctcgat tccaacctg cttttattca tacttttgca cttgcacttg 360
 cctcgtttagc tgc 373

<210> 9176
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220100f09a1

<400> 9176

gttcattccg ctcttcgctt tctttcacat ccaatcaacg aaaaatgctg gctgttttcg 60
 acaaatcggt ggcaaagagc ccagagggtc ttcagagccc tcaactcaaat tccgtctcag 120
 ccctaaaaga cggttttctc gcagagcact tctcttcctg tcacctggt tccgtcaccg 180
 ttaaccttgg ctcttcggtt ctcttgacct attctcttca caaacagAAC cccctcctcc 240
 caaggctgtt tgcagtcgtg gatgacattt tctgtttggt tcaaggctcat cttgagaatg 300
 ttgctaacct taagcaacaa tatggattga acaaacacag aactgagggtg atcattatca 360
 ttgaagcata caggactcta agagatcgtg gtccctatcc tgctgctcag gttgtgagag 420
 acttccaagg caaatttgca tttattctgt atgacagtgg ttctaagact gcatttggtg 480
 ctgcggatgc tgatgggagt gttccctttg tctggngaac tgatgctgat ggaaatctcg 540
 ttttctcaga tgagacagag atc 563

<210> 9177

<211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220100g01a1

<400> 9177

atctacggag ctgattataa ctgtcataaa aatcctctca gatctatggt tacatcgaag 60
 tgcctctgct gcatccaatg ataacaagcc ttatgatecc ttctctatga ccagacatga 120
 ttctgaactg gatcagctca gagactatca agagaatgag actttatcca tcagttccac 180
 tggaaagtac cacggtgtgg agagagcctc ttctgctaag agttctaatt cttctcagat 240
 caaccgaata ttgacatgta atcggttgga aagttcgcta tccatttctg aaactcccag 300
 cacttcaact actgatactt attcactaaa gacgagggtc aggtcttcca tgtctgggtc 360
 ttgtagcggg gcatctaaga gttcatactg taaaacatcc acgatccaaa atagtctggg 420
 aagaatgttc gtttat 436

<210> 9178
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220100g02a1

<400> 9178

agagcactaa ccagggaaca tatgtataca cacatgtagt gagagagaaa aaaaaagggt 60
 ggttttttggg ttctcttttg gttcctttct tatatgccat atttgcattt gatgcagcaa 120
 ttctctgta acggttatta tttttgtgaa ggggttgag agaaactg atcagtgact 180
 actgcttggg tgctactact gaaaatggat tacagcaatg acaacaagga gccatgggat 240
 tggcataggg aggattattg tctccaaagg agtttcaatt atgaaatttc accagggata 300
 tggaatggag tttctcaaaa tgaagatctt tcctttgtgt tcaatgatga aacaaccca 360
 gtgaaagctt tgggggactt tgcgtacaat gtcaataata gtgagtcaaa taatgtacaa 420
 a 421

<210> 9179
 <211> 570
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220100g03a1

<400> 9179

atggaaacca tgccgggtgc tagagttatg agtgacatgg ttttactccc caacggcgac 60
gttttgattg ttaatggagc agctgtgggg actgcgggct gggaattggg ccgtaacccg 120
gtgttaaacc cgtttcttta taaacccaac aagcgggtcg ggatgagatt tgaggtccag 180
aaccggtctc atattccgag gatgtaccac tccgggtgccg ttttgcttcg cgatgggcga 240
gttcttctcg ctgggagcaa ccctcacacg tattacaatt tcaccaaagt gttgtttcca 300
acggaactgc ggtagaagc gttttctcct tggatatctg agcccggtt ctctaactg 360
cgccccgcaa tagtatctcc tgcgtcccaa acaaaactca agtacgggtca gacgttgagg 420
cttcggttta aggtgagcgc gactttgggt ggggattcgg tgtctgttac catgctggcg 480
ccgccattta acacgcactc gttcttcatg aatcagaggc tgttggtgct gagcacgacc 540
atgtgagtgg ggttggagaa tcaacgcacg 570

<210> 9180

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220100g05a1

<400> 9180

accgattgct aaaatggaat tttgatgctc agacatcatt tttaccattc ttttctgggt 60
tgctcttgca ggagagagcc atgtccatgc atcgctacct gaggaagatt attgggaagc 120
tgtatggcca aacactccca ttcccactgt actgtgagag cttctaaagc ctctctctgc 180
atgtgttgaa atctgatgaa ctctctaagc aaatcggtga tacacagtac ctcaaaacat 240
t 241

<210> 9181

<211> 521

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220100g06a1

<400> 9181

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catcacaccc ctcgtcacaa cttatgacca tcttatgcta tttcctctca atttcatctt 60
ggcacactca tttcatcatt tttcatttgg gtccgataaa atgggtgtaa aattgaacct 120
ttatttttta atttgtttgc ctctctctct ctctctctct ctctctctct ctctctctag 180
aattttggct tttgagtttc tctctctctt tgatattgta tcatctgtca gatattaatg 240
ggcactgcag attcctgtgg tttgcaactt ggggtggggc tttttcaacc ccagctgtcc 300
ctattttagtag caaagcagtt gttgggatgg gaccaaattg acccatcatg aacctctctg 360
tggtttttca agacaaccat caatctcatt tatgatttgt gtgtgagttc tacccttgaa 420
attttcacca aatattaggg ttttaactta aacctgaatt tattatctgt gtgtttgtgt 480
tttttactct ttaggttgtc tntntcagat tgaatgggaa t 521
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<210> 9182

<211> 120

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220100g07a1

<400> 9182

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aagctacaac acgtcactac ttctatctta acccttcacc attcctacac tctttcgtgg 60
ctctcaaata cactattcct tattctccca aacccaaaac tcttatcaaa aactaaacac 120
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<210> 9183

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220100g08a1

<400> 9183

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tttcttgctg tacaagtggg atcgtgtaca gagtgataaa aagggttgctg tttgtagtgt 60
acatccttct gagccggcca cactgcagtg cctaggttgt gtaaagtcta aaatacctgt 120
tgccaaaagt taccactgca ctccaaagtg tttttcagat gcatggcagc atcatcgtgt 180
cttacatgac cgtgctgcaa gtgcagccaa tgaaaatgga aatgaggaag aagagttata 240
tgggcgatth aataattctg gatctggatc aatcaatacc agcttatctg cctctgcac 300
```

aagtgctagc ttgacaaatg ggtctgcacc tgtgtatccg gcagccgtta cgcaacgaag 360
 tgggtggtgaa acttggtttg aagtagggca atttaagacg tataacccaa cagctgatga 420
 cattggacat gtccttaaat tcgagtgtac tgtagttgat gcagaaccaa acttact 477

<210> 9184
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220100g09a1

<400> 9184

atataatatt gcttcttggg tcattctagc taattttgat ggctcttcca atttgtctca 60
 ccgttattgc aattttcacc ctttgtttgt tcattaattg taacaatggc gttgaagcgt 120
 ttcattgacat ataccggat cttcaatcca tttcagcacg ttcggtgagc aaacttcaga 180
 gaactggata ccattttcaa cctcgtgaaga attggatcaa tgatccaaat gggcccatgt 240
 actacaatgg aatctaccat ctattttacc aatacaaccc anaaggagca gtttggggca 300
 acatagtgtg gggacacgca gtatcaaagg accctcatcaa ttggaaagaa cttgacctgc 360
 cctataccca tcanaaccct ttgacanata cggngtttgt tccggtcagc cactgtactc 420
 ccgggtaagg gaccggtatc cttatactgg agtcattgac aagcaaagca atga 474

<210> 9185
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100h01a1

<400> 9185

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 gtgttatcag cattggacaa catgggtttt gtggcaaaca tgggtgagctt ggttctatac 120
 ttttatgggg tgatgcactt tgatctgtcc aactctgcc aacacctgac aaactttatg 180
 ggctcaactt tcttgctctc actcgttggg ggcttcatct cggacactta cttcaacaga 240
 ctaaccacat gtttgctttt tggatcactc gaagttctgg ctttggtaat gctgacgggt 300

caagctgggtc tggaccattt acaccagat tattgtggca agtcaagctg tgtcaaaggt 360
 ggcatagctg tcatgtttta ctcatcattg tatttgttgg ctttgggcat gggaggagtg 420
 agaggctcct tgactgcatt tgggtgctgac caatttgatg aaaagaagaa cccaggagaa 480
 gcaaaggctc ttgctagctt cttcaattgg attttgcctga gttcaacatt gggatcaatt 540
 ataggggtca ct 552

<210> 9186
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100h02a1

<400> 9186

gaagcactgt gttcgacttc gtcaaaagca tcatgagccg ctacgacagc cgctccggcg 60
 acccagcttc ctatcgtgat cggaggagtg attctgggct aggtgcacct acagggtttg 120
 gtggctctgt acaacactct tcatcaaaca ggagggatta tgatgatggg gggtcaccaa 180
 agaggaacct cagtttggat ggtttacctc attttgagaa aaacttgtag attgagtcac 240
 cagctgtaag ggcaatgaca gatgctgaag ttaatgagta tcggcagcag agggaaataa 300
 ctgttgaagg gcgagatatc ccgaaacctg tcaagacctt tcacgatgct ggttttccag 360
 aatatgtact gcaagaattt acaaaagctg gttttactga acctacacc attcaatctc 420
 aaggttggcc catg 434

<210> 9187
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100h03a1

<400> 9187

aatatcatct agctagctag ctagctagca aatagcaatg ttaaaaaacc aaccacgacc 60
 agattggcct gagcccattg tccgggttca gtccttatcc gaaaactgcg aacattcaat 120
 ccctgaaagg tacatcaagc cttctactga tagaccatcc ataaaaagac gtaattctga 180
 tgatgccaat attccaatca tcgaccttgg gggactatct ggtgctgacc aacatgtctc 240

agcctcaata ctttaagcaaa tctcatatgc ttgcaaagaa tggggcttat tgcaagtcac 300
 taatcatggc gtgaaccctg atttgatgga caaggtcagg gaaactaggc gtgaattctt 360
 tcacatgccc atggaggaga agcagcaata tgcaaactcg ccaaaaacct atgaaggcta 420
 ctgaagcaga cttggaattg agaaaggagc tattcttgat tggagtgatt actactttat 480
 tcactatctt 490

<210> 9188
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100h04a1

<400> 9188

aaatcagagg cagctaaacc gttccttcca cagtgggttac agaatgctaa aactaatgaa 60
 gataacggca aagtaatgga tcaggctcag aaccaagaag tgaatgtgaa gaataggact 120
 caagaaatac agaagaaatg gcatgattcc tgtttgaagt tacatcctaa atttcatcag 180
 ctaaattgtga gcacagagag acttgttcca acttctttgt caatgactgg cctatacaat 240
 atgaatttgc tggggcgcca attccaaccc aaaataccac tgaataaaaa tcttgggaacc 300
 ttcttgcaat tgagctcaaa tccaacgcca attcacccat cagagcatgt ggtcagccca 360
 ca 362

<210> 9189
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100h05a1

<400> 9189

gaaaattatt atacccttta agatgaaacc gtacctacgt gccatattct ttattgctta 60
 tccttctcga ccaatccatt tcggcgagtg ctttttttaa tttaaatgga ttgctaaaca 120
 ttgaaaagtg gccctctggc gagaaaagt tggaaatggg aaagataggg aaggagacga 180
 cagatcatat caaagacctt ttaaagaaac tgattgagtc ccctcccgaa ccaccgaagc 240
 aatcaatat tgaagttgaa ggctgtctg tcgtcaagga ttacttatct gactacggct 300

acattgaatc ctct

314

<210> 9190
 <211> 527
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220100h06a1

 <400> 9190

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 tcctcaaaga tctatgctta cctcttccct tgcagtctct tcctctcttc cgccactccc 120
 attctcgggt gtggctactg tggcaaacc cccaaaaagc acaagcctgg taaaacacca 180
 aagacaccca cagtaccctg tgtaagcca ccagtcacaa tccctcccat tgtaagcca 240
 ccagtcacaa tccctcccat tgtaatcca ccagtcacaa tccctcccat tgtaatcca 300
 ccagtcacaa tccctcccat tgtaatcca ccagtgacag tccacccgt tgtgcttcca 360
 ccaatagtga agccccggg tttctccct ccaattctta accaccaag tacaccaaca 420
 ccgtcgccgg ggaagggagg gaacactcca tgtccaccac caaagtctcc tgcacaggct 480
 acatgcccc ttgacacgct caaactaggt gctngtgtgg atcttct 527

<210> 9191
 <211> 545
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220100h07a1

 <400> 9191

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 ccaacagaac caaattctgc tagctagcta gtacgtcaaa ggaaataaaa taatatggca 120
 ttcagcggga cccaacagaa atgcaaggct tgcgacaaaa ctgttcactt ggtcgaaggt 180
 ttatctgtcg atggggctgc ttatcacaag aattgcttca gatgcagcca ttgcaatggc 240
 cttcttgcca taagcaacta ctcatccacc gaaggggttt tgtactgcaa ggtgcacttt 300
 gagcagcttt tcaaggaaac tggcgcttac cccaagaaat cccagtcgtc tggaaagcct 360

ccactcgagc tgaatagagc accaagcaaa ctttctgcct tcttctctgg gactcaagag 420
 aaatgttcaa aatgcaagaa aaccgtatat ccattggaaa agttgaccgt ggaaggcgag 480
 ttttaccata natcatgtn taggtgtgca catggaggat gtttctgac cccttcacct 540
 atgct 545

<210> 9192
 <211> 180
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100h08a1

<400> 9192

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 ctgtatttgt attcaaattc caattccaaa tggcgaacat atttgattgc tgtagtttc 120
 ccaggttatg tagactatgt gacaatgcag cattatttgg atttgccga tattctggct 180

<210> 9193
 <211> 344
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220100h09a1

<400> 9193

ggagagagag aagcctgggg agtataattg gggagggtac gttgaactca tggagatggc 60
 gaagaagcat ggcctgaagg tgcaggccgt tatgtcattt caccaatgtg gcggtaacgt 120
 cggagactct tgcactattc ctttaccxaa atgggttgtg gaggagattg ataatgacc 180
 cgatcttgca tatactgac aatggggaag aagaaactat gaatatatat cacttgatg 240
 tgatacttcg ccagtgtca agggccgaac ccagttcaa tggtatgctg atttcatgcg 300
 tgctttcaga gacactttca agcacctcct tggtagacc attg 344

<210> 9194
 <211> 389
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101a01d1

<400> 9194

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 caaatgcctt tggtcaccat gcccaaaagt ttgtttattg gggtatagtc cttgagacca 120
 aacttttgaa atgaacagcc atagtatgac ttttaaggtc ccaaaatgca aaactccctt 180
 tagaaaaaaa aaaaaaaaaa cattcttttg gacacgttaa atgtgattaa ttattgaacc 240
 agaacaata ccttcgctg tcatgtcaa aagttcgttt attatgttat gggccttcag 300
 accaaacttt tgaaatgaac aggcatacta ttcattcaaa atgatgaata tgcctctttt 360
 aggttaggca tttctttcct actcgggca 389

<210> 9195

<211> 554

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101a02d1

<400> 9195

acttgccggc agatttgccg tctacatgtg tagtagtgcc gccttcttgg gggggggggg 60
 gggtagcgaa cagtgggtag cgagagtaga agccgaacga cggcacgata aaaaccccg 120
 ccacaaacct aggaggcaaa aacgaacaac cgagatagga ggggtgttgta aactcttcta 180
 ctatacatgt actcaacagg gcggtgggt tgggtgtgcgc tgggccatga cctcacaag 240
 atggtacaga gttagttaa ccaattgggg gaactttact gtcagcgac aggagcgtgt 300
 gaatttgtgt gctaaaggta agcccgcgtg ttttgcctgg taaagggcg cctgttaacg 360
 attaaatagt ataaatgata ctttaacagc gtaggaaggc taacacagca cggcgcaagc 420
 aggctgggtc atgagggttaa aaactagtga tcaaaagggg cggcgatggc aggctcatgc 480
 cctaaaggcg ctacttaacg gtaaattctat ttggtggcaa tagcatacac gacgcaggag 540
 ggatataacg gttg 554

<210> 9196

<211> 412

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101a03d1

<400> 9196

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cttcccagcc aatttaccgc tactacacgt ctagcactac caccttcttg gggggggggg 60
gggggggcgg gcgggggggg gcgggggggg gggccggggg gggggccgcg gggggcccct 120
tttcatttcg ggggttttagg ggtaaaaaag cctaaatagc agggttaact gcacacattt 180
aggggttggg aaagcctgca gctcggcgaa caatgtaaac cccgggcgct aaccagaca 240
ttgtggtgcc cccaaaaatt tgcggggtgg gatatcaaca cggacaacgc tcttttacca 300
aataacctta gcccgagaca caaacccgcc cccttttcgg ggattaacct caccaatgcg 360
ccatggagtt ttgtggaaac cccggaggga ccttataaac cccccacaa ag 412

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<210> 9197

<211> 487

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101a04d1

<400> 9197

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gggctgagag gataacatga gaaccggagg gaacttgaca gcgcccgaag gggagagaga 120
gatcaagggt aagcaacagg gaggttaatt atagcagtag taattgacca aacatttggc 180
tagttacatg tagcagcctt attgccgact aaccctgact agagtatcat atgcgggaat 240
agtgaataat gagcaatggt atatgctagt tgtatgtgta cttatcctgg caacttgtca 300
gcctgaatat gtctatatac tgggtgcggg gccataaaca ggcaatcatt gtgttttagtg 360
tcagtgttaa ttacatagga tggagtatgg gatcaaaggc ataggtggcc aactcagtag 420
gcttggcaac tgcccagtta aataaatgga atcacgagtc tgatgcttgg cgaaaatatg 480
atgcaga 487

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<210> 9198

<211> 120

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101a05a1

<400> 9198

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 gttaacatca catttctgt gccggtaaac tggctctact taataagcaa cttcataaac 120

<210> 9199
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101a05d1
 <400> 9199

ccccagtta ttccccgtgc tacacgtcta gcactaccac ctgcttgctg gggggggggg 60
 ggggtggaggg ggcacgcggc ggaataggaa agagcgcaaa gcacaccaac gggataacaa 120
 cataatagtg aagttaaacc ggactgacac aagtatttaa cgtgtgactg gtaatttgga 180
 tagtaacact ttatccacaa cttttccctg tcccaacgat atatgtactt actatggcaa 240
 tgcacacctga gctttaaaca acagcttcta gagttcgttc ctgggctcta agctagcatg 300
 ggtctagctc tttcgcgagt ggtgtcctta ctatccctca ataggcctag ttaaccgtga 360
 tgctatttcg gatggtgcat agccctccaa gcctgcgtga cctactcaat 410

<210> 9200
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101a06a1
 <400> 9200

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 cgttagcatc aaggcccgcc agatcttcga cagt:cgtggc aatccaactg tcgaggtgga 120
 tttgacttgc tccgatggta cttttgccag agct:gctggt ccaagtgggt catccactgg 180
 gatttatgag gcccttgaat tgagagatgg aggatctgac taccttggaagg ggtgtatc 240
 aaaggctggt gacaatgtga acaccgtcat tggccctgct ttgattggca aggaccaac 300
 tgagcagact gctattgaca acttaatggt tcaacagctt gatggaactg ttaacgaatg 360
 gggttggtgc aagcaaaagc taggagcaaa tgccatattg gcagtgtctc ttgcagtctg 420
 caagctggtg ctagegtcct gaaaattcct ctttacaagc atattgctaa tatc 474

<210> 9201
 <211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101a06d1

<400> 9201

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 gggggccact gcggtagcat ctcattcgct taggctgtac gtctgttggtc aaatagttca 120
 acccctccnt nnttnnnnnn nnnnnnnnnn tcntcactgt atgacgtcct ccttctcttc 180
 tttggggggg ggggggggag gaaactgaaa gagtaggaaa tattgggtaa acgtggaaca 240
 tagaatgcgt tgactgtgcg caagtacaat gtaaaccagg cctttccgtg ggagtagatt 300
 aacatgaagc ggtaaatgag taatggacag agtatattca aaattctcta tttaaagtgt 360
 aagctgtaaa tgtcgcgccca gtgttaccgg ggggttatgg caaaatggga cgacccggta 420
 atccccgat ccaacggact gttcctcgat atgctggtac tattaactgt tgatgtaagg 480
 tgtaacactg ccggagaggg actaacatct gtacattgct agccactgt 529

<210> 9202
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101a07a1

<400> 9202

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 gaacgagctc acgcaggtct gcgccagcat cctcaacctc ctcgactcca acctcgtacc 120
 ctccgtcttc gccagcgagt ccaaggtctt ctacttgaag atgaagggcg attaccaccg 180
 ctatctcgca gaggtttaagg ttggggatga gagaaaaacc gctgctgagg ataccatgtt 240
 gtcttacaag gctgcccagg acattgcttc tggggatctt cccctactc accccatcag 300
 attgggtctc gctctcaact tctccgtctt ctactatgaa atcctcaacc agtctgacaa 360
 agcgtgtgcc atggctaaac aggcctttga ggaagcaatt gctgagctgg acaccttggg 420
 agaagaatcc taaaagaca gcacgctcat aatgcagctt ttaagagaca acctcacct 480

ttggacttct gatgtccagg accagctaga tgagcc

516

<210> 9203
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101a07d1

<400> 9203

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agtttaggag atacgagttg ggttaaaaga gtagcacata gaaaaagaaa aaataaacia 180
cttgccgtgt gcggtagata ataggagagt atacaggctt aagtagggga gaaatgacct 240
tcaggtggaa gggactataa acaaagcata ggtaaacttt attgtagca caccaacaag 300
attatttagt aaattgagaa gccagagtac cctgtagtga ctgccgttgc catagtacia 360
cgtaaaccgc gcaccggcg tgtggaaaac tgctaggagc actcgctgcg tgggcgacca 420
ggtggtgttt aaccgcgtta ctgtactaag gctggttgta aaacttgagg gacttagcct 480
atatctgggc gtacatgcca gcaacagggt agacgacaac atccacaacg gcacactcac 540
atttaagt 548

<210> 9204
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101a08a1

<400> 9204

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acgccacggc cgaagagatc gcgaacaaa tcaaaaactc gacgctctac catgaactcg 180
ccaccgacca catgacaaaa caggccacgg acatctgcaa ggaggtacta ggtagcgtg 240
tcgacgacat tcgccgatcc gttcacacgt tggaaaagtt cgacctaac aagttgaacg 300
attacgcta tgacctcaag gtctggatcg cgggtactct agctcaccag cagacatgtt 360

tggatggggtt cgagaacacg agcagcgagg ctggaaagac catggctaag gttctgaacg 420
 cgtcttttga gctcagcaac acgcgttga catagtcaac ggtgtttcga gtctcttca 479

<210> 9205
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101a08d1

<400> 9205

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 aggtttaacc aagtccgaag ggactgacaa gaacgtgctg ctaaggatga cttactagcc 180
 ccaaataaat aacgctcgca acaaaaccaa aatgcaagga ataaagcacg attatgccag 240
 tagtatgggg ttgggttga aatatgctta catagagaga gaatagcgta aaaacctgtg 300
 cacagcagca tccactcaact agctaccag agagcctgat agacgtgagg accgaaccat 360
 ggagaaaaaa acattagcaa agcaaagtac agcaaggaac tgcggcccaa gcctactcta 420
 agaacgccct taaccaaga ccctatttta catttggcca gttaacaagt atctgtacgt 480
 caaggactca gtgcaaaciaa gggcttgccc gacgaggtaa tacttgtaag cccaggaaca 540
 attgaaaaat tacctta 557

<210> 9206
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101a10a1

<400> 9206

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 gagtcaggag cagtttttat taacgtgaga atatcgaact tgatgagcaa gtggtttggg 180
 gatgccccaa agcttggtgc tgctgtattt agcttggctt ataagcttca gcctgccatc 240
 atattcattg atgaagtaga cagttttttg ggtcagcgtc gtacaacaga tcacgaggct 300

002260 ETES60

ttgttaaaca tgaaaactga attcatggct ctgtgggatg gatttacaac agatcagaat 360
gctcaagtta tggtccttgc agcaactaat cgtccttcag aacttgatg 409

<210> 9207
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101a10d1

<400> 9207

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ggggatgaag atggtggggt gatttaaggg aaaaaaaaaa aataaaaaaa aaataaaaaac 180
aaaaccccc caaaaaaact ccaaacatat cccccctgt cataaattta cccccaaaaa 240
aaaaaccccc atataaaaaa aaaaaaaaaa aacaaacaac ccccaaaaac acccaaaaaca 300
tcaaaacca ttcaaaaccc cccaaacaca aaattatctg accccccctt ttaacaaaac 360
cacccccccc aaaagcccc aaaaattttt taccaccaat ttctcccccc ctctcaacca 420
aatcacaac atttcccatt taacaccttc cctaattacc ccccccttca cccctccaat 480
ttttcccgca tatctaataa aacccccctt aaaacaaaaa ctaaccccc cttaaaaaaa 540
aaccgcccc taaaacctga aaccccc 568

<210> 9208
<211> 400
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101a11a1

<400> 9208

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taatgaacga gagagaatca ctagaggcac atgttggttg tagaagaatt tctctgggat 180
tgactttgat tgaatgattg ttcactgttc atgctaaaca acacaaacca aacggctatt 240
ctgactactt tttgatcctg tttctaattc tgtttctagg atcctgtctg tctctcttgg 300

tttggtttat tagacttggt ctgtgtctaa gtctttcttt cagggctctg tgagttgaat 360
 tcaggtgtca catccaaggc aacaaaacag gatgatgagt 400

<210> 9209
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101a11d1

<400> 9209

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 aaccccagaa atgatgactg ggcaccaa at ggccaaagag taagaacatg tccaaggacc 120
 acgaacaaag cgaggagtca ctaggaacgg gtgaggcatc taggagcgac ctgagcacgg 180
 aagggcgagc tcaagacgct atggctggcc acctgaccgg ggatggacca ccagaatgcc 240
 aatgtactta gaactgcctg gattattcac gactgacact atactagcaa actgacatta 300
 tacctgcaag ttgacaactt aagttcaagg tgggaacctg ggacccccgt ggga 354

<210> 9210
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101a12a1

<400> 9210

cttagaaaca gcaactatgt ctctcatgca gcttactagc tcccctgttg gctcactggt 60
 ccgtttcatt gtaatatgtt ctttatggta cagaaccatg gctttggcca agttgccacc 120
 aaacgcttca tcagttccag cagtttttagc gtttggagat tccatcgtgg acccaggcaa 180
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 gggaggaaac ccaacgggtc gattttgcaa tggaaaaatt ccttctgact taatagttga 300
 acaattgggt attaaggagt atttgctgc atatttggat ccgaatctca aatctagtga 360
 tcttgttacc ggcgtctgct tttgctcgg tgcttcagga tacgatcctt tgacacccaa 420
 aataacgtca gttctatcgt tatctactca actagacatg ttcagggaat acataggaaa 480
 gcttgaaggc atttgtggag agagcagaac aaactaca 518

<210> 9211
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101a12d1

<400> 9211

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 aaaggtaa atttcacaca ggaaaaatgt ggaacgtctg tgagatggat cgatgcctgt 180
 gaacattgaa atctacaaaa agtaccgaac aatcacacca aaactcgaca aatcaaaata 240
 ctcattggct tcgttgacat caacataact aataattgat attacttccc gtaggcaaac 300
 ttaatcgagc tcaaaacaat cgatctatgt acttttcaag aacataattt acgagctttc 360
 tgtaaactcc ttctgttga tgataactat cccaaaagac atattccgaa gcattggaac 420
 aagtggcatc caaagggttg cataaactg caac 454

<210> 9212
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101b01d1

<400> 9212

ggggtggatc ctaatttata gcacccgtcc gcgcgccggc aacgttatac ctgggggaaa 60
 gggacaccaa aataaaaggc agggggcggc aataaacaac ggggggaggg gaaaacccat 120
 ggggaagcca aacataatgg tcttaaaca aattcccaaa aaaaacgggg gggtaaaaag 180
 gaaagggccg agaccaatca ccctcataaa aaaaagctaa ac 222

<210> 9213
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101b02d1

<400> 9213

ttgccggcga tttaccgtat acatcgtag cagtgccacc ttcttggggg gggggggggg 60
 gaatcaaaga ggggcagagc gacaggaaag aaatatatca acgataaaga aataggccgt 120
 gtgtgaagta taaaccacag gaacgttagg cgccgcgctt ggtagcatgc aaggagatta 180
 aacgatgatt tggaatagat gtacgaaaac ttactaag taaatttaat agactaaagt 240
 gtttaggtta tacggtgcta gtgcaccata gcaatttggg ccatggacat gttatctgca 300
 tattggccaa cagccaagt aaccaactaa cccgaaccat tatatggcgt ttaacaatt 360
 agcccagctt attaggccag agggcgggtga atatattggc tttgggcctg atggttatgc 420
 ttaggctact tataaattta agtagcctta attggtagg cagttgtgta acgctgcctt 480
 tatgcaagct taatatagta caaatggac gctgtattgg gccgc 525

<210> 9214
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101b03d1
 <400> 9214

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 ggtctgggag gtaataaata gggaaggaag aataaccata acgggatagg gggggggggt 120
 attggataga gcgataaggc taactaagtc tatectggca cacgtagaga ggtatattgt 180
 taggtggtgg tagctgataa atgagaggag agggaaggtt tatagggggc ggggttgggg 240
 ggggtgaggc ttatgcggat cgatatgggc taagaaaacc aataataaga aggagcaaac 300
 ttgacactta aggaacaggc agggggtgtg aatgacttta aactagagcg ggaagtggaa 360
 gtatggctac ttattactat taaatttaag gtggttatta ttaatagtag atataattgt 420
 gaggcagggt gctgctatcg gtttagagag acgaatagta tgagtcgtat tagggctact 480
 aaaacttaac taaatggctg gcctatgcct tatcgacacg agtttggctc ctccaact 538

<210> 9215
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101b04d1

<400> 9215

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 tgatagagat taatcgaacg atcgaattta caaaagattg ttaaggaaa gaccgtgaaa 180
 catttgtgat ttttgtatta aagagtttgg ggtgagtatg ataaaatgct gcctgctggg 240
 ggactgtgtg caaatactta aaaaatacag gaaggggggg agcaaacc aa tagggagtaa 300
 atataacaag gctagggata agtaagggtt tgtaaggaaac tgtggtaatt gaggatccct 360
 ggtggtacat acatgctaac ggggcaagtg gtcttggggc ccgccatagc aggtaataag 420
 ctgggtaagc cctcataacg agatcataag tatacgcaca ggagtgcagc gagggaaactc 480
 taagctgggtt ggcatgactg tgagcctata ggctgcgcc gtagtagctt ggtggaagtt 540
 g 541

<210> 9216

<211> 519

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101b05a1

<400> 9216

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 caaagagcaa aaggactagt ggttttgata tggctcccc tgccctctgct atgttggctg 120
 gtgcttctgc tgttgaggc aatgttggg tactagcccc actctgctga caattggcgt 180
 gagccgacat ctgtagcttt tatgtccacg gaggaatcaa tgcacctgtt tttggtcaga 240
 tcactggggc taaccctaca attcctggaa tgtttccaaa tatgtttccg ttggctacaa 300
 atcagatgca acaatttagt gctctccctg tcatgccagt gcaggctatg actcaacagg 360
 ctactcgaca tgctaggcgg gtgtatgttg gaggcctccc tctacagct aatgagcagt 420
 cagttgcaac tttcttcagt caagttatgg ctaagattgg tggaaacact gctggcccag 480
 gtgatgctgt ggtcaatgtt tacattaatc atgacaaga 519

<210> 9217

<211> 519

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101b05d1

<400> 9217

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 gggggggggg gggggggggg acattcagaa aatgaggggg aagaaaggcc ttagtagcat 120
 ggggtggatga tgtctagtga acgggagcga tgagcattat aatgtgactg gataacggga 180
 gcagaagaag'ataaaacagg agttggatga agtaacagac aagttaaaga atagataagg 240
 acttggtaga agtgtttgca ctaaagggcg gtgtgccaga caaaatactg atgatggcag 300
 ggtagtagtaa ggggtcttta gggaagttac tatccctggg gcgactatta gtaagagtaa 360
 tcgatgttaa aaatattggg ttaatgttgc tctaccggg attagtagct cgcggctcgc 420
 ccagtattat aggtattaaa cgattgctag aaacgcaaaa taaaaaatac gcaaagagct 480
 aaagaaaggg gtagacatag ctaagcaata actagcgca 519

<210> 9218
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101b06a1

<400> 9218

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 gactggtcga gttcaacgct gctccacca gtccactttt ccatgatgtg aaaagcgagg 180
 atgaatacaa tgaagaagag gaagaagaag aagaagaaga agaagaagaa gaagaagaat 240
 tggacagtga tgatgatgat gaggatgcag acgaagatga tgatgtttcg agcaaccatg 300
 tttcaacgcc gttcatgaat ccaggggtcaa aagggcatgg ctgccaatcg aaccagtttg 360
 cgatattgga tattttgggtg gctgcgttga agaagtcgtt ggtaacttgc agtgtggaaa 420
 gagaggatgt ttcttcgttg gatattagct ggccaacaga ggtgcgccat gtctcgcat 479

<210> 9219
 <211> 446

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101b06d1

<400> 9219

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 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
 gggggggggg gggggggggg ggaccctaa aacccccgt ttttgggggg aaacccccaa 180
 aaatttaaaa tttccctttt ataaaaagcg ggtgcacat taatatgcc aattggaaaa 240
 ttttccaaat ttgaaaaaa tcccaggtgt tgaaaaaatt taatttaaag gtttattaaa 300
 ccgggccgct aattaaaagc aactattttg ggggattggg aaaagtagtt attttagaaa 360
 tgaaatttgt ttgcccaaat ggcctcgggg tctttaaatt ttggttaatt ctggttttgc 420
 gggggataat ttttaaaagc cctttt 446

<210> 9220
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101b07a1

<400> 9220

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 cttttcactc aaaactacaa actttatttc ctctccgtat tctcacattt ccacaacatg 120
 gacgaggatt tcgacatggc ggcggcggag cccatgggag aggacttcga cttcgccggc 180
 agcggcagca acccgtcct gaaggctcggc gaggagaagg agattgggaa agaggggtttg 240
 aagaagaagc tctgaaaga aggtgaagga tgggacaccc ctgaagctgg tgacgaagtt 300
 caagttcact atactgggac gttgcttgat ggcacgaagt ttgactctag cagagatagg 360
 ggaactcctt tcagtttcac gcttggacaa gggcaagtta ttaaaggatg ggatcaaggt 420
 attataacaa tgaagaaagg tgaaaatgcc cttttcacca tcccagctga gctagct 477

<210> 9221
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101b07d1

<400> 9221

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gggggggggg gggaccacaaa acaataatcg tataaagcgg gaaggggctt cccaggggta 120
tcggtggcca atgactcaaa taaaagggcg tgtagttat agctagaagt tagtaaaagg 180
gtgaaagcgt tatcaagata gaaaaacaaa ctacatgtgt caaaggacag caagggttag 240
ccgcgggagc agggctgcgt gagagggagc cctgcactag ttggatcatc gccgggatga 300
ggcgtaacac aagtgactgg cgctacgggc agcaatagag ggtagaaaa ggggcttgtg 360
ggtggcgacg atgttggttag tgggggttgg aaacgtatcg atgtaactgg catagtttgc 420
ggcggaccgg taactgtaac actgggtgga agagttaaagg tacttaaagt gaaagtactt 480
aatgccagag agcttgcccg 500
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<210> 9222

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101b08a1

<400> 9222

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gtttagtgtt atatctccgc agtggatcaa atcaacaaa cacttccatc catcacctg 60
gctctctgct tagggttttg atcgcatcgg atcttcactc tcttctccga tctcaaaatg 120
cccgccgttt atggagctcg cttgaccacc ttcgaagact ccgagaagga gagtgaatac 180
ggttacgttc gcaaggatc aggaccagtc gtcgttcag atggcatggc tggggctgct 240
atgtatgaac tcgtgcgtgt tggatcatgat aatctcattg gtgaaattat tcgtctcgaa 300
gggaattctg ctaccatcca agtttatgag gaaactgctg gcttgatggg taatgatccg 360
gtgttacgga ctcaacagcc tttatccgtg gagttgggac ctggaatact ggggaatatt 420
ttcgatggaa ttcagaggcc tttgaaaact attgctaaac gatctggtga tgtctatatt 480
cctcgtggtg tctctgttcc agcactcgac aaagatacac tttgggaat 529
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<210> 9223

<211> 493

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220101b08d1
 <400> 9223

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 gggcgggcag ggggggggta agaaagaagg aaagatgtag gctgacaca acgttaggga 120
 gcaaagatac caggtaacag aagttatggg tattaataag gttattgaga gcaagttaca 180
 agttctggct gcgagcatat ggtagcggtt aacagaagtg gaggtgttga aagatagagg 240
 caaacactat cgtgtcgggt ggaggcgtaa gggataaatg caccagcatg ctagtatagc 300
 aggggactga ttagtagat ggagtaaaa cttatgttac tattaagaaa ccagaggaag 360
 cacagatgaa gcaagtcaat acatgaagag cacaatatgt cccatcggct aatttgcctca 420
 gctgacatgc gcgtggataa gcccaaagaa tataagcggg cactaaatga ttaaagtggg 480
 aagtaggaag tag 493

<210> 9224
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220101b09a1
 <400> 9224

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 tgttttatcc atgggttgat catcccaaaa aagtttgctt tgtttgggta aatgaccctt 120
 aaccctgttt gtgaataata atagagttag gaggttccga tgacggtcga tttggacaac 180
 gcttccaccg cttcaggtga agcagccagt gtctcttctt ccggcaatca gacaaaaccc 240
 gccgctccaa agaaaaaacg aaacctcccg ggcagtcag atccggaggc agaggtgatc 300
 gctctgtcgc ccaagactct cttagcgacg aaccgtttcg tgtgcgagat atgcaacaaa 360
 ggattccaga gagaccagaa tctgcagctc caccgccggg gtcacaacct gccgtggaag 420
 ctgcggcaga ggtctagcag gaggtcagaa gagagt 456

<210> 9225
 <211> 572

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101b09d1
 <400> 9225

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 gggggggggg ggggggggat aaaccaagat gataagatgg gagcataggg atagaaaaat 120
 atgatggctg acaacaaggt aagtaattag gtatgccgat aaaataagcc cctagatctc 180
 caaatgatt ggcggataag aaagtcataa ggcaacaaaa tgatgattgt agtaaacggg 240
 ttgcaaggag cttaataatg atcaattaaa ctagttaagc ttcgaaggga aagggaagta 300
 aaatgcgcca cattaaacca cttcaaataa cagcagatga gtggtaaadc gcgtatgcgt 360
 cttaaaattg atcataatta gattaaacgg taaatttggg gcggctaaat aattggaagg 420
 taataatgat ttggtagtta cactaactcg aggcgaatgg cgattattgg ctcgggggtga 480
 atatacgaaa gtatacgggt gggtttgcct aaggaaaccc cctaataataa gttacaacct 540
 ttttagtaga gatggggcct tgcagaacgc ta 572

<210> 9226
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101b10a1
 <400> 9226

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 atactaatth gctgtctcct aagaatgttg agcatcctct ttttcaggct tcttttgggtg 120
 tctctccttc tggaaggatg tcaccaagaa gtgttgaacc aatctctcca atgagtgtc 180
 gtttatctgc atttgctcag cgagagaaaac agcagcaaca gctgcgcagt gttagttcaa 240
 gagaccttgg tgccaacagt cctgcctcac ttgttggctc ccctgcaaac ccttgggtcaa 300
 agtggngggt ctcctattgg gaaagctgat tgctcagtaa atggagactc ccttgggtcgt 360
 cagatgcgaa gatcatcctc gtttgagcgc aagaacaatg gggaagagcc tgatctctct 420
 tgggtccaat ctctg 435

<210> 9227
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101b10d1

<400> 9227

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 gggggggggg ggggggggtg gtaccgaatg gtctacttaa ttaagttgtt aggttgggga 120
 tgatatggtg ggttggcggc gtggttttaa aaagggtatt aaaacaagag cgattggatc 180
 aaaggaaaga ttgagtgtaa taacagagcg aaaccgtaa ggggcatgac atgataactg 240
 cagttactgc tagggctgta acttacctgt tgaaaatata agccgtaagc caggtaaggg 300
 cccaagggca aggtccgtta gtactacagc tacgacctag accacagcta aatggtgtgg 360
 gcagtagtgt accgccccat gttggtatta cacaggccat ttaacacaca gtacctgtgg 420
 ttttaggcgg tggctctgta aatcaccagc agtggctctag tgcataatta acccacgtgt 480
 tagggatgca ttaagtactg ggtttaagac cacaatttta tgggcattaa cccgggctac 540
 ccacttaat aacgcacct 559

<210> 9228
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101b11a1

<400> 9228

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 caggtgcatg gccataatt ggtcacctcc cattgttgct tggttcaaag acacctcata 180
 aaacattggg tgacttggct gacaagtatg gacctatatt ctcgatcaag attggtgcca 240
 aaaacgcagt ggttgtagc aactgggaaa tggctaaaga atgctacacc acaaacgaca 300
 tcgccgtttc ctccctcccc gatcttatct ccgctaacct cttgtgctac aaccgatcca 360
 tgatagtcgt agcaccctac ggtccctatt ggcgccaaact tcgaaagatt ttaatgtctg 420

agttcctatc tccttcccga gtagagcaac tacaccatgt tcgctgtctc gaagttcaaa 480
gttccatcac ggagct 496

<210> 9229
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101b11d1

<400> 9229

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acataattaa atattagata ctttcataac aactaggaga taggcgtggt ttaataagaa 120
tctcaagtgg agtggcttta gtgttggttg ctctaaagac ttcagtcata tcaagaggct 180
cagttgatgg atttaagatt tcaaaggaat gcaaaaaact agcaagtgtc aaacgaactg 240
tttgaaggcc taagtttatt ccaggacaaa tctcctacc acctccaaat ggtaatagct 300
gaaaatgttg acccttcatg tctatatctt tatcagtcgt aaggaacctt tctggtttta 360
actctaattg atttgaccaa acgttatgat ctgtgtggat cttggaaaga tttgtaatta 420
gacgagttcc ctttttgaca gtgtagccac ctatagtga atcctcttca aactcacgag 480
gtcttgagag aggagctgga 500

<210> 9230
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101b12a1

<400> 9230

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tgtattgaca attcggaatg gatgcgtaac ggggattact ctcttctcg atttcaagcc 120
caaacagacg ccgtcaatct tatttgcggt gctaaaaccc agtctaattc agaaaatacg 180
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ctgggcaaga tcttagcttg catgcatgga ctagaaatag gcggtgagat gaatctagct 300
gctggcattc aggttgacaa attggctctt aagcatcggc agaacaagaa gcagcagcaa 360

aggattattg tctttgctgg aggtcctgtt aagcatgaga agaaaatgtt ggagatgatt 420
 gggagaaaat tgaaaaaaga tagtgtagct 450

<210> 9231
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220101b12d1
 <400> 9231

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 ggctctactc aagggctctg gatttaatca acagacattt actcgttcca atcagcaggg 120
 gaactcaaca attggaacac gtgaaataac taccgagta aaatcacttt ccaacatgct 180
 accaatatgc ctcccaaagg aattctacaa ataaaacccc aaggggactt ttaagattat 240
 ttttctcct ctccatttgg gggcttggct tcattctttt ggtggggctc aaactgattt 300
 tgcattggaag ccagcaaatt ttgacagat gggctatttg ggccaacccc aggaagcgat 360
 gcaaggatag aa 372

<210> 9232
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220101c02d1
 <400> 9232

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 gggggggggg gggggggggt gcaagagggc ggactggcgg ggaaaatata agaagtaagg 120
 acgccgttgg gcaccggcgc ctagtaaaac aaccaaactg tatacgggag accgatatgg 180
 ataaagcgca atagagggat gggcataaaa taattgcagc atattgcagc aggagcactg 240
 cagacgtata tgggagaagc agaattgtggc cacaataaac atagataacg gtacggcaga 300
 aaagcctacc tgactgggat aaacggcggt ggacaaaggc gattattaaa gaaagaatgc 360
 ttaccacgac gctaagtgcc gagctagttg cggcaaaatg cgtcgtttgt gccacaatg 420
 gccggccagt attgcaacca gtgccagata gtgttaacgg tgtggggggc cggcataggg 480

gatgatgtaa aggtggacta tgcgtattta aagtgggcat acaggtaata ctactaaaca 540
cactatcgca gcg 553

<210> 9233
<211> 543
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101c03d1

<400> 9233

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gggggggggg gggggggggg gcgggggaaa aaaaaaaac tttaaaaacc cttttaata 180
acccccccca aaaaaattaa agagactatg acccgccatc aaattttaaa aaaccataa 240
aaaacaacaa aacaaaaaaa aaacccccca gagaccacc cccagggaaa taaaataaaa 300
ccccctaaa cccccaaat tttttccca aaccttataa caatcccaat ttcttttta 360
gcttttagcc ccaatttaaa aaaaatttcc ccggggccct ttccccccct tgagccctaa 420
attccaaacc cccccgggt ttttccacc ttgggggcac ttttaaaac cccccaccc 480
aatttttacc cccaaagggg cttcccccat ataaagcccc ccaaaaatcc ccgcaaaaat 540
ttt 543

<210> 9234
<211> 486
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101c04d1

<400> 9234

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ttgtaggagg tatgacaggt tgaggattat tagtaataac cgctttatcg ccttattgat 180
gagaaaaagg tgccactaac tagcaaaacg ctaagagcta tatgggtgaa agaaatggat 240
gccagaaaga gaattttaaa aggagtggca ggaattgcga cggctagagc cgccaaatat 300

tggtgcaaga aaggttacca actcagctca agacaatcga tccgttatac tgcacagaca 360
 taagcaagta aatgcaacac agggagaact agcggtaagt tgtggactta gcggcaacgt 420
 tgctaagagc gtaagcagat taaccggtac tattatagcc gatatggtag caaatagggc 480
 tgggggt 486

<210> 9235
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101c05a1

<400> 9235

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 aaccggaaga ggaaaaacta gaaaagatcc caacagttag aagcccagtg attttgatta 180
 ccttccgaga gatgaagcat ttggtcactc gaagtcacat catcttctcg tttatggaat 240
 caaatcagtg gctcaagaca tcttgcccgt gttgactgag gcgtacgatg gcaatctttc 300
 gagcctagag ttcgataact ttgctgaagc gcgcagactc tatgaagggt gagttacact 360
 acctacaaac ttttttagca agatcgcccc tataccagtg gtcaaggaaa tttttcgaac 420
 tgatggagaa cagttcctga agtatccacc acctaaagt atgcagggtg ataagtctgc 480
 atggatgact g 491

<210> 9236
 <211> 617
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101c05d1

<400> 9236

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 ttttaaagat agaatggaat tagatagacc gacagcaacc aagtagaggt tggtagagta 180
 tggggaggca aaattaccca aacgatgcta ataattagac acttttgaca gccacagatg 240

cggcccaagg ttgtgcaaac gtaagtttgt tgtatgacaa ccagacacta aacgcgaacc 300
 taggggactt cctttatgct ccgggtgtaa tcgtgtcggt ggcggtggtg cgagaactgg 360
 ggcggttaagt gtggcaactg gtgggttaaa ttgtggcaac cttgtgacgc cattactagt 420
 acaacgttaa gacgtattat tagtgtgtgt tttaaccgac aatgtagtac agcgcgcttg 480
 gcataacagg gtgagaaggc gaaccgtaag caaccgtgtt ggtggcttac gaagacgtgg 540
 taaaaatggt ggtgtacceg gtggacttaa actgctggat gtactacatt tgggtgtaac 600
 tagcaagtgg tgctgaa 617

<210> 9237
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101c06a1
 <400> 9237

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 ttggtgcttt cgacacttgt gtccttctcc actttcacac atgccttctc ttcttctgcg 180
 tttccggaac tgaatcctat aaaacctagg cactcacgtc ttctcaggag tgccgtgcaa 240
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 aaaccttatg ttgaatcaaa taagccaaca ttaccagaga agtccgaggg atatatccag 360
 gtctttcttg atggagggtt gaaccaacaa aggatgggga tatgtgatgc agttgctgtg 420
 gcaaagatac tgaatgctac tctggtgatt ccataccttg aattaaatcc tgtatggcga 480
 gattcaagct cttcatgga tata 504

<210> 9238
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101c06d1
 <400> 9238

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ggggggagggc aaggagaaaa ggagaaagga agaagagcct gcctgttgct gaacaagctt 120
 agtagtgcag aaagatagtg tttatataag atataatgaa tgtgtaacta tgtggagtaa 180
 caataataga ataaatgtta ggaccaagac cacgccaaag actgggggga ggggtatgac 240
 agagaagcgg aaagaagaac atattcaatg agaaaagata tacctgatag ttcgcactaa 300
 gaagaagaag ggaacgagag atgatgatga cgtatgatga actggcctat agctaagtac 360
 cactgccaga tcgagagagg caggcagggc ctggttgtag ttggacgggt ttggcgtgag 420
 gggccgcatt ggtaattatg ctagttgcaa atgtgcatta tgtgagccgg ngaggtagca 480
 aaactgcatt tagtaagctt agagg 505

<210> 9239
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101c07a1
 <400> 9239

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 ctgaggaata tgtctgtgta agtttgactt ctgaaacctg cagcagcaat gatgtggcta 180
 aggagggcgt gggagaattt tcaacttctg atgatcggtt agtaaaatct gattgtgaat 240
 ggaatggcgg catcaaagtg atgcaagcac ctaatagatg caactcttat cttgatcggg 300
 aggccaattc aaaagctact gcgcctattg ctcaaagttc tgctggagaa tgcaccacat 360
 ttgaacctaa gaatcagctc caagataggg gccctgattt tgaagtcttt gtttgaggaa 420
 taaaggacat ccaacacggt gagccatgct gttttaatg 459

<210> 9240
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101c08a1
 <400> 9240

0953113.032200

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ccaagcgggtg gtgaactcaa accatagccg tttgtccata gccacttttc aaaaccacgc 120
accaaagca actgtttacc ctctgaagat aagagaagga gagaagcctg tgatggagga 180
accaatcact tttgctgaaa tgtacaggag gaagatgagc aaggacattg agattgcaag 240
gatgaagaag ctggctaagg aaaagcattt gcaggacctt gagaatgaaa agcatttgca 300
agaacttgat cagaaggcaa aacttgaggc caagcctttg aaggagattc ttgcttaatt 360
aataataatt acatatgtat catttgcatg ccccttgggt gtttttagta ttttttaagg 420
gccatgaatt aataatagtc cttacctttg tgcttttgta cgtcttatga tttatccttt 480
gtgggggatat catgtgtngt gttcagtgcc tatgtcttat tagctagctt gctcatctat 540
gtatacctta taattgcctc tattataatg aaaataagtg gcactgtctt att 593

<210> 9241
<211> 516
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220101c08d1
<400> 9241

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gggggggggg ggaagaaaca tacgcttatg gaggggtagg gagaagacac ctaaagagaa 120
ccgagataga cagcacttac tgactgaaga acatagacct aatgcaatat aatatagcag 180
agttttataa accagaaagt agaacatcga taaaactata aaccgaacca tgaggaggaa 240
ggtagccttt ggaaaaaaga tgaaaaatat taacccctta gctaaagcag atagagcgaa 300
ggaggaggaa ggaactaaca agtggttgta aacctggcct tgtaacgggg cttggtgcag 360
taacgggtggc taaagctggg gtaggtgtaa ccgttgctaa agctgggggt ggacttactg 420
gtggtagttg gctaagtgta agcgttggtt gtagtggttg ttgcgatagg gtactaaaac 480
gcaggccggt tgtagtata cctggtgtgt tggtgt 516

<210> 9242
<211> 350
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101c09a1

<400> 9242

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gttttatgat aatttagcgt cctacagatc ttggagccag atcatttaca tgtacattat 120
ggatcgaaca gttggacctt ttagccgaat gaagagaaaa tccagtaaag ccgaatagat 180
gttcccatat acatcattca tccccacctt tccctcttgt gatgtctcct actttgataa 240
tttttgtgca agtgaagaat ggaatgtagt ttttgaccca aatagcaagt catttggttca 300
ttagccaaca ttttgtataa aatatcttgg attgggggct tccctcttct 350
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<210> 9243

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220101c09d1

<400> 9243

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gggggacaac caccaacttt taaaattaac agagggggaga taaaagcggc ctgaagcaat 120
aaagcatggc tgagggcccg taaaaatgat aggttaggtg gtatggctat aaaaaggagt 180
aaacgaccac atagtataac acccaaaccg cccagcaag cagcgcgagc ccaatagtga 240
ggcctctggga tgccaggggt gtggtaggtc ctgaaaaccg ttaatgcggt cagttagaag 300
cgatagcgaa agcagtgcct gttaacagtg cgaccatctg aaaggagtag aaaatgtgcc 360
actaagtgtt ggtattggcg caactggcag gttaccaagg tggcccaaag tagcctgtca 420
cttcaagggt cactggatcg atctcgctag ctcatcgtag actgtggtga gacgcgtatt 480
gaaaggtgaa gtatgccttc gtcggggata at 512
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<210> 9244

<211> 572

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220101c10a1

<400> 9244

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aactaattca tgcagatatt tgttggtggtt ttcagggttt aaatacgctt taccagcaga 120
gtatggtata tggtttgcca acaatgaaaa caccaacaaa actgtgccag gacttcttgg 180
tagggaagca atcacgagct tcattcccaa agaagagtac ttggagggtt acacagggtc 240
tacaactaat tcatgcagat atttgtggac caatcacacc tatctccaac agcaaaaaga 300
ggtatctgct cacctttatt gatgatttca gtagaaaaac ttggatttat ttcttgacag 360
aaaaatcaga agctcttcct gtctttaaga catttaaaat tcttggtgag aaagaagctg 420
actcattaat cagaagtttg cgcactgac gtggngggag agtttacatc acatgatttc 480
accaatTTTT gctgtganca tggatttcgt aggcactga cagctgcata cacaccacaa 540
cagaaacgga ttgcagaaac ggaaaataga ac 572

<210> 9245
<211> 607
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220101c10d1
<400> 9245

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gggggggaaa ccaaccaagg taggtttgcg gagggcaaac taaatggcct gaagagagac 120
ttggatagta caagaaacaa aatgcaaaaa gaaaatgctg tatctagata gcatttatga 180
gggttgaaga agcgtgaca tagaggtaaa aatagaatgc tgttgaaaaa gagccaatta 240
gaactgtatg aataaagttg tttggaaatg caagctgaga gctaaggacg ggagagtaca 300
tgtgcaatat aggttgacgc attgctcgac tgggaacaaa cgagtaactg gcacgccggg 360
ccgtagaaga gtacttatgg cggtggcgcg ttataagct agtagtggca gacggttctt 420
tgggcgaaca gtgtcaacca aagcgaagtc catcgtaaga gcgggataat cattagctag 480
tatgccaggt ggtcaaaactg gaagactaca atgatgagta taatcaagga tacgactggc 540
cgtggctagg ggctataagc ggtttaatat ttggggtaat tagagcctgn cgatactata 600
gcagctg 607

<210> 9246
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101c11a1

<400> 9246

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 gctctccttt tcgttatgcc ttttattatt acctatctgt cgctccactc cgtattacga 120
 ctctggatca gaggatacat cagaggattc gctccaaccc ctatcgagta aggtattatc 180
 tgtcaattta cattcgaaag ggtaggcta ttgaatttta aataattaca gataaaataa 240
 tcgatagctt tgatttttaa aattaatcat aatcatcggt taggttgcaa cataatactt 300
 aattcgctta attttttaac tgcgcctcag agtattcata acatattcta ttaaattaat 360
 aagctggtga tgtaattaat attaatatgt agttctggca atcttattgg cagaagatgc 420
 taggtggagt tcatcaatat tctggtaggt ataatatctt catgaatcta aatataacgt 480
 attcatagtg aaaataaatc 500

<210> 9247
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101c11d1

<400> 9247

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 tttagagaga gattgatcat attccataag aagaagaaga cgaggctgtg cacatggaga 120
 agatgagact cgggggtgatg aagcgcccag aggagacgga gtacgtgaag aaagtgtacg 180
 ggggatagcc tggagaagtc gtgagaatgc tggccgaaga aggagagaca tgggac 236

<210> 9248
 <211> 380
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101c12d1

002220101d01d1

<400> 9248

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 ctgtgcgccg cgggtggccgc gttgtgggtg gaggatgcgg cgaacccgat acgaatgggtg 120
 gccgatgtgg aggcggaagt ggttcgcacg ataaggcagt gccggcgccg gctgaagttt 180
 gctaggttca tgagcaggtt cgggaatagt taccgtatcg aggaatagat gaggagagg 240
 tactagatat tctcgcagaa cctcaggatc atccgcttcc acaacaagaa ccgtttgccc 300
 tacactctat tctgttaatc attttgctga ttggacttgg gaggagtcca atagacaccg 360
 actttgcgct gtccaaaatt 380

<210> 9249

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220101d01d1

<400> 9249

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 aggctacaac tttccaatgt aagtttcacg tttctaattt gtccattgaa caactacatt 120
 ctattcaaag ttttgtacaa tatgcaatga tttcacatcc ttcaaaaaag cttgggaatg 180
 atcatgctgc atgcaaatga atagttacag gtttcacatt ttcatataag atcaccatat 240
 tgtcctgtct accttaagta cagggaaaac caacaaatga gagagaatca tgatttcact 300
 aacagaagaa gcaggagagt gtatgccag caatgggtata acagttctct ccagctgaca 360
 caaccacagg gggccagcta cgtgtcctat gattataagt tataacagta gccctccctg 420
 tctaccttan gtcatgctgc atgcanatga atattacaag ttcacaatta 470

<210> 9250

<211> 571

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101d02d1

<400> 9250

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gggaaaagcg gaaggttggt gtttttataaa aagagacaga cctagggacg ggccgatagt 120
 tgacgcggcg gttaagggca gactgataat gataaccacc tagagcaggc gaaaactgaa 180
 aatcccaacg attaaaagat taaggcggtc gggagagtgc attagcataa cccaaataaa 240
 tacaatacaa taattgccga ggggggtaag ttgaaaatta aataaaatac aataaaaaga 300
 tgcataatat aagagatata aaaggaatac aaatataaac acctgactaa taggagggta 360
 gggccatacg aaggggtacc ataggtaaaa gaatagcaag cacagaacgg taactcgctcg 420
 tccgccgggg ccgagtacta ctcatacctc tcgtcgtact ccaactggtc ccaatcgctcg 480
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<210> 9251
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101d03d1

<400> 9251

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 ggggtttcgg gggaaagcaa atgctatgat atgggagaat aaaggcgtaa caggagata 120
 catggctcgg tggatatgag ccttctacct aatgttatgg cttaacctgg aagaaccgtt 180
 agatggcggg agattgaaac attgattata tgcgggagaa agcattagca tagcccgcat 240
 gttgccaagt cgtagggtgca ttagagctat gagttataat ttcattccagg ccaggaactg 300
 gtgttaatag gcttgggaaa tatccaatgg gatacgcta ttaaggcccc gatgtgcatg 360
 agctgcgggt gtcactatg gagtgcctag ctaccatctt aggaagaatt c 411

<210> 9252
 <211> 331
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101d04a1

<400> 9252

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 tcctgtattc tcccttttgc tttatcttgt ttatttttga tagcgggaga aacatggtat 180
 tttgagcact tctacagtcc tgctttgtgg atggttcttt ttagttcttc attggctcat 240
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<210> 9253
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101d04d1

<400> . 9253

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 ataggattac gcgagaaggt taacgggtcat ggacgaataa aagtaccata aatgcgggtc 180
 cccatcaaca aaatagtaaa gagagccctg ggggtattat gtgaactacc aaggttttag 240
 gtaggaatct ggagtagtgg cctgtgggcg tacgggtgct acgggcagcc tagaaatgaa 300
 ggcgcattta atgctccaca gccaccacaa taacgaagga gttgaaatta agtagagaaa 360
 acgtaacaaa ggaaacgata cgtaactaaa ggggtgggcc tatagagggt acaaacgaaa 420
 tgaccacaac taaaagtgag caggtgcacg aaacaggggg actttgagag catgcagtta 480
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 gggaaat 547

<210> 9254
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220101d05a1

<400> 9254

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acgtcaaggc caagatccag gacaaggaag gaatcccccc ggaccagcaa cgtctcattt 180
tcgccggaaa gcaacttgag gacggccgta cccttgctga ctacaacatt cagaaggaga 240
gtactcttca cctcgtcctc cgtctccgtg gtggcatgca gatcttcgtt aagacactca 300
ccggcaagac cataacccta gaggttgaaa gctccgacac catcgataac gtcaaggcca 360
agatccagga caaggagggt atccccccgg accagcaacg tctcatcttc gccggaaagc 420
agctcgagga cgggcgaccc ctgcccgaact acaacatnca gaaggaatca accct 475

<210> 9255
<211> 590
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220101d05d1
<400> 9255

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cgcccagagg acacgatgag gaggaagccc atataaggca cggtaatata aattcaatgg 180
aggggtaacc cataggagga tacatttagg aaatagtaaa cgggtggtaaa gggggggcca 240
atatagttaa taggatataa tcaactggaaa attttttatc cacatccacc ataaccgcaa 300
cccggcaggt tgggtgccagc ggcgacgtac tcacccgttg gttagttgtc actgctggct 360
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gtataggcgt aagccgcgta cactgtgtta ttgtcaccgc aagacgtgga tttcgaacac 480
gtggtatcaa aagtgctaga ttattatcaa catctaatat taacgccaca cggcatgttg 540
gtgccagcgg cgacgtacta acccgctcga tcgttgtcac tgctggtttc 590

<210> 9256
<211> 531
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220101d06a1
<400> 9256

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 caaaccttct ctcttcgatg gcattccaaa caaagactta ttggatggaa ctagtcttcg 180
 gttcaagtct gtgtcaacag ggaaatatct atgtgccaaag tctggagggg gaaatgtcct 240
 acttgcaaac ggcacaggtg cttcaacggc ttgggaaaca attacattgt ggaggataaa 300
 cgaagatact ttcagactaa ggggtgttcaa caaacagttt gtggggtag atgggattaa 360
 cgttgttgct gtttccgata ctcccatcca ttctgacacg tttcgaatag taaaagaaag 420
 tgacagttca agtcgtgttc gaatcaaagc acccaatggg cactttatgc aggcaaagac 480
 agaggagctg gtgattgctg atgtttccaa tgctaacgga tggggagatg a 531

<210> 9257
 <211> 567
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101d06d1
 <400> 9257

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 gcttgggttc caacgcaaca atcgaaaca gtgagatcga cataggaagg agcagagtaa 180
 gagtagaagg cagaggcaca aagaggaaaa ccctagaaga gcagaccaag acacccgcta 240
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 tgtaagcag gaggcacg tggcacgct taagaatatt atttaaagcg gctgtcttta 360
 aaaatagtga aggtacttgg cataaagtgg gcagaagttg ggggccgact tttggtaatt 420
 ggttatgtac tacgttaggt atttatcaaa cgcaaccat tagtgatccg gcgaagagga 480
 gttaatgcgc agcaatccat gggcgacagc aaagtaagcg gtgtggctct aggtagcgtg 540
 gctaagagag tagaagacac agccacg 567

<210> 9258
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101d07a1

<400> 9258

taaaaatatt cattcaagct gaccctgctt gagcctaaaa ggattttctt gtcaagagtc 60
 aagtataatt tgaactagtc aattattatt ccaacttttg tatttgtgta atggagtctt 120
 ctaactagct tgttgattta taattctttt tttacttatac tgcataatca aagtccaaat 180
 atgtaagttt taaattattt ttttatttat tcttcataaa aaaattattt aatttttttc 240
 cttaaaataa taattttattt aatttataaa aaaaatataa gctatattaa aatattttaa 300
 acttatttaa aaatataagt tctaaatatg caactccttt aaatatttag aagaaaaact 360
 ttatgattca taatgatttt atttcactta aataaaagta tctcctataa aaaaatatat 420
 ttgatctcta caaaaagata tttgattaat aattacantt aagaga 466

<210> 9259
 <211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101d07d1

<400> 9259

ctgccgagca atttacttgc cgtgctacat gtgtgcactc ctgccttctt gggggggggg 60
 gggggcgttt gtgaggagaa atagctttga ttgtattttg agccacaagc agtgtaaaac 120
 ttgtactaat agtgggtataa gacacagact gttgtatagg acatttagtt ttagcaaggc 180
 caacacgttg gttgggtagc cttaacacta acaatgggcc aagtaatggt gtaccaaagt 240
 caggaccttt agaaataggc ggtttgtgtc gtcggagaat tcctaaatta gatcagtgat 300
 tagatcttag cataactagg gtactattac tggggcgctt acaagagcca ggccgaccga 360
 ataaggcaca acttgtagcc ggggtaatta tactagttgt agtgcgtgta ttagaaattg 420
 tagtacgctg tatagcaagc aa 442

<210> 9260
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220101d08a1

<400> 9260

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ggactagttc tagatcgca tctagaacta gctgttctct tctcttctca tcatttttat   60
tttttccaat caaaccaaac aaaacataag caccgctctt ttctctccga aatccccatc  120
tcccttcact tctgagctct ggacgagatc ccagatctca ccattcttca cgcactcttc  180
catcagattc accctttcgt ttaacgcaaa ctcataactt gaaggttaat ggctgctcca  240
cgggcaaggg ctctgcccga ttacgattat ctcataaagc ttctcttgat cggtgacagc  300
ggtgttgga aaagttgcct ccttctgcgt ttctccgatg gttctttcac cactagtttc  360
atcacaacta taggcattga ttntaagata agaaccattg agctngatgg cnaacggatc  420
aagctccaaa tttgggatac tgcagggcaa gagcggtttc ggaca                    465

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<210> 9261

<211> 569

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220101d08d1

<400> 9261

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actagcttgc cggccaattt gccgtgctag catgtatgca gtaccacctt ctttgggggg   60
ggggggggga catagctaag tattataagt atagggacgg ggccagggaa gcgaatggcg  120
gaaaaaacgt acacatatga tggagtatat aaaggagaa acaagcataa ccggaactat  180
aaacgtacta gtagcagtag gagatatcga agggtggtgg gtggtggcgg tggcgataac  240
aagcggcttg ttaagggcga atagggcggt gtaattataa taacttcagg gggcgctact  300
tgcgttactt ttgttgcag cctggccag caggggcagg cggcagcctg tgcttggccg  360
cgtacgcgta cttacttggg cggggagagt gtggctgagg cacaacaaaa tggttgttat  420
cgggacaggg cgtgggctat gacgggtaaa caagggcagt ttagatgtag tacttacgct  480
ggcctttggc gatcgagcta tcccttgggg ctgggtagtt agagtactga gcggttttat  540
tacgaggggc ggaataggcg tgcaactag                                     569

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<210> 9262

<211> 549

<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220101d09a1

<400> 9262

taaagttaga ataatattcc ctacaattag cagaaaaaat ggttcagcaa gaaatccgaa 60
 ggggtccctg gacagaacag gaggactaca aattgggtgta ttttgttggc atgttcggag 120
 atcgtagatg ggactttata gcaaaggtat caggtttgaa ggtggagga gactgtaa 180
 aaaataggta tgaatatttg gacatgctaa gttatactat gaagcaccct ttaaccacct 240
 cactttgttg taggtttgaa tagaacaggt aagagttgca gattacggtg ggttaattac 300
 ctccaccccg atctcaaagc aggggaagctc acaccccaag aacaacacct cgtcatggac 360
 cttcattcca aatggggaaa taggtttgag aaccatgcag aaattaaact ataagctagc 420
 tacctgctga tcactactca tatttttaat tactcttttc ctaccctata tatagnacta 480
 ttaattagnt cttncgctta ttttaattttt attatttgtg aaaatctaata acagcgctca 540
 atcaatcaa 549

<210> 9263
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101d09d1

<400> 9263

ttgccggcaa gtgacttacc gtcctacatg tgtagcagtg ccacctgctt gggggggggg 60
 ggggggggacg aggggataga aggtagaata gcattatgtt ttaggccagg ggggtgggaaa 120
 cgaaaattat aaatataggc atagacatga tacgcatagg gcacagtcag gatactgcgc 180
 gtatatgagc caccaccatt agcctcaaac tgtaaacaga tgagctgcca taccggaaca 240
 tggaacttgg tggaggcgca tacagcctat atagaacaat aaaagaggca gaaggcaaaa 300
 cacaaacaaa aaaaacaagt gttgaaggac ttccgtacaa aggtcggttt ggcggtagac 360
 gcacaaaaag aggccgtatg gacgcgaccc aagaatagtg gcggatgggt ggtggtagtt 420
 agtatattaca ccccggcaca acaaagcggc gatgcagttt agcagccgcc acaacctaga 480
 agtagtaggc cgccaccata acacac 506

<210> 9264
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101d10a1

<400> 9264

taaagttaga ataataat tttt cttcaattag cagaaaaaat ggctcagcac gaaatccgaa 60
 ggggtccctg gacagaacat gaggactaca aattgggtgta ttttgttggc atgttcggag 120
 atcgtagatg ggactttata gcaaaggtat catagtttga aggtggaggg agactgtaaa 180
 tgacataagt atgaatattt ggacatgcta agttatacta tgaagcacc ttaaccacc 240
 tcactttgtt gtaggtttga atagaacagg tttgagtcgc agattacgga gggttaatta 300
 cctacacccc gatctcatat gaggggaagct cacaccccaa gaacgacacc tcgatatgga 360
 ccttcattcc atatggggaa ataggtttga gaaccatgca taaatgtagc tataagctcg 420
 ctgcctgctg atcatcactc atatatggaa ttgctctttt cctacactat ata 473

<210> 9265
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101d10d1

<400> 9265

atatcccggc cgatttgccg ctgctacatg catgtgagca gtgccacctt gcttgggggg 60
 gggggggggg gacgagggga tagaaggtag aatagcatta tgttttaggc caggggggtg 120
 gaaacgaaaa ttataaatat aggcataagac atgatacgca tagggcacag tcaggatact 180
 gcgcgtatat gagccaccac cattagcctc aaactgtaaa cagatgagct gcgataccgg 240
 aacatggaac ttggtggagg cgcatacagc ctatatagaa caataaaaga ggcagaaggc 300
 aaaacacaaa caaaaaaac aagtgttgaa ggacttccgt acaaaggctc gtttggctgt 360
 agacgcacaa aaagaggccg tatggacgcg acccaagaat agtggcagat ggggtggtgt 420
 agctagtatt tacaaccggg cacaacaaag cggcgatgca gtttagcagc cgccacaacc 480
 tagaagtagt agg 493

<210> 9266
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220101d11a1

<400> 9266

aagaaagcct tggagttcat tgcaaaaggc tggaatgctt tgaaggaggt tgatagagtc 60
 atcgattatt ccgatcccaa gcattcgggc attgtttctc ttctcaggct aaggagaatt 120
 tcgagcttgc tttggaagct gataatacca atacccatgc taggtattgg ttgtccagat 180
 tgcatatgaa ataccctggt ccaggagcta ataaagctgt aggggcagca ttattggtag 240
 aagcagcaga aatgggtgat cctgaggcac agtatgcatt gggttgtcat ctaagagttg 300
 aggtgagggt actctaacc ttatttatgt acatatagcc aactttgcaa actgagttta 360
 tgattgtaat aattcgttga tgccctcttg aatcactctn tgcagattta agattctgat 420
 tgttctttgt ggtaataaaa tgagatatta ccttgngag agcgatggta ggctaaagtg 480
 cagaanaaat ggcctggctg tgatcttctg tattca 516

<210> 9267
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101d11d1

<400> 9267

acaatgacaa aaatcctcac ctttatttat tgtttttcac cgatgattaa aatccacaat 60
 tcagacaagc taaatcatat gattcagatc ggattctgct acgaaaaaaaa aaagaacgaa 120
 acaaaaagca cactacactt ctcaatttca tctcaatggt cccccgtgag tgccccgttc 180
 tcttctctct ctaaccttgc aagccatttg aatccaagct cacaccctgc ttttgccgct 240
 atctgaaact tttctcttgc catctctact ggatcaattg caagagctcc cttattcttg 300
 ccccgcttat gagctgcagc acctctcgtc aaactgaact ttattaccga ttctggaacc 360
 tcaacacctt taagaagaag agatccatat gctatagcag ccccgcatg gcccttttct 420

gatgctctgt ggaaacacca cagtgcagaa gcaatatctt tcctgacaca gtcgcctgtc 480
 aaatatacag caccctaaaag gcaaagagca cctggatgca actgggtccac a 531

<210> 9268
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220101d12a1

<400> 9268

ggatgacgga agtccagtgg ggtctccaat gattccatct atgcccgcaa gcccaactcc 60
 actttctact gctgccagct caagtgaaag aaatatttct gatgagagta atgatagggc 120
 aagccgagta gtctgctccc tctttaagga aacaaacact tcccctggag agtctagctt 180
 ctctgcaccc agaaccagtt cagatagtca gcttggcaca tcctctgaga agttgctagc 240
 agagaatgaa gttcttgtaa atgaatttct tcacgagcat cactatagtg ttactgatga 300
 atttgatgtc tctgatcaca ttcaaaacag tggtgagggt agtacctatg gtatacatgg 360
 tagcattgaa taatggctaa tttggatacc agcttggtng atgctcttct tggccttgat 420
 gtgatctgtc atata 435

<210> 9269
 <211> 573
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220101d12d1

<400> 9269

gaaaagttcc aagatccaat catatattag caattcaatg ttaagggtta ggcacctata 60
 tacatttctg ttgtttacat caaaagaatt ctacaaacaa tgtcacttct ctacaaacct 120
 aagatacaca gttacaatt ttacacactc ctatgtacaa atgtgtgtat ttattattat 180
 tattattatt attattacgc atgtacgtag caaatatctc acagggttatc agtcaaagt 240
 ttataccaag gtccatgaac actaactgaa atagtggctg ccacaatcaa aacaccagca 300
 gtttccacta ctttatcagt cagaatacca gccccaactt tcatgagagc catttctgct 360

aatttcctcc cacggatccc acttccacca agcacaacgc cgcgcaaagc tgaatagaca 420
gcattaaaca cccctctcgaa aacaacatcc ncagcttgta agctctttcc tagcatacta 480
gcagcaacta ccttccttga ctcaagtttc cccgtatctt caacttcaac tgtgggaaaa 540
tngcagagca cttctacaat gcttcaatat cag 573

<210> 9270
<211> 477
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220101e01d1
<400> 9270

tagttgccgg gaatttacct gctacatcgt tggagtgccg ccttcttggg gggggggggg 60
gggggggggg ggggggggag atcacggcgt cagaggagaa agcgcggaagc tacaggtaac 120
cgcaagctag ttaacaggac actagaaaac ctcacatggg gtaaccctca aagtgcctgc 180
gttaccataa atgggggaac ggcttttttg actcgattgg agggactgga tgccttaaaa 240
gtattaaccc cgcttggtctt tgccttactt gtaaacggca aaagtactag acttaataga 300
ctaagttgac tagctggaag tgcacttaag ggtacgtgtg tgactggcgt gctagttcca 360
agcgaaatct tagttggcag actgttacta aagtttaaac ccgtaaaca ggggttggtg 420
cccgacttgg cgggtattacg tcacggctta aacggtgtac tacgggggca ttagcca 477

<210> 9271
<211> 553
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220101e02d1
<400> 9271

cagcttgccg gccgatttgc cgctctacac tgttgcagtg ccgcctgctt gggggggggg 60
gggggggggg gcagcaatga acaaggctag gtaggaacat tagataagat aagtaaaaag 120
tagcgaaaag gtacggaaaa caacaagcag tacacgaata aaagaattta cgaataatgc 180
acgcgcgatc cgatacgata ctgttgtgac gcaaacgcac aggggcacgc acaataacag 240
taaagggggg tgagtttcta taagataggg agtacaaggc taaaataaag atatacaaat 300

gaaatagata tatacgaggt tacgagcat atagtgtgaa tacgacagct acgactgact 360
 aaccgcaggc aacaattgca gagggacgga gagacttaca ggctggtaaa ctgtaaaggt 420
 ggtagtttga actctaagtg tctacttgt ggtggttgtg gtcgtcacta taaacgatgt 480
 aggtggtggt ataccttgaa atagagacaa tagcataata gaaaatctca catgactact 540
 tgttgtcctc aca 553

<210> 9272
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101e04a1

<400> 9272

gttggcagct tcactaactt tggcagctgc tagaaggata gttgaggcag atgagttcat 60
 gagagcagga ttatatgatg gatggctacc tcatctatth gttggaaact tgctcaaggg 120
 gcaaacagtt ggtgtaattg gagctggctg aattggatct gcttatgcaa gaatgatggt 180
 tgaaggggtc aagatgaacc taatttatta tgatctctac cagtccacac gactagaaaa 240
 gtttgtcaca gcctatgccg cattcttgaa agcaaatggt gaaaccccag tgacttgga 300
 aagggcagca accatggatg aggtcctcca ggaggcagat ataattagtc ttcactctgt 360
 cttggataaa accacttata atctagtcaa caaggaaaga ctagctcaga tgaagaagga 420
 agcaattctt ataaattgca gtagagggcc tgttattgat gaagctgcac tcgtggagca 480
 tntaaacata 490

<210> 9273
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101e04d1

<400> 9273

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 gggggggggg acccatagaa ccaagaatgg tagggagcgg gaaggaagcg ggcaaagatg 120
 ataaatatat cagctggagg aatagtatac gtgggagagc tatacgctta gtcatatgtg 180

atagacgata gatataaaaa acaatacatg actttttacac ttgaatttaa tatataaaaa 240
 ggccttaggg cgctaagggc acctttggca attagcgcg gggagactgg gcaacggcct 300
 aaatttacc tggggctagg aataagctgg ccctagctac tgccgccgtc actaggtgta 360
 ggcaccaagc cggttattgg aggcctagta aattaaatgc ccgatttggg aattgggttt 420
 actatcgga cactgctgac ggcacttagg tttgtatcac gttatggcca actacagcta 480
 agcgccccga ttataagcct aggtggtaat gt 512

<210> 9274
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220101e05a1
 <400> 9274

gagacatggt tttcagatcc agatgtctgt agggaattag agttgtggta cacactttca 60
 aagactttgg ctgaggatgc tgccctggaaa tttgtaaatg aaaacagcat tgacatgatt 120
 tctattaacc caactatggt ggcaggacct ctcttacaac cagagattaa tgaaagtgtt 180
 gagccaattt taaacctaataaatggtaaa ccatttccaa ataaatcttt tggatggggtc 240
 gatgtgaaag atgttgctaa tgctcatatt ctggcctatg aaattgcttc agctagtggga 300
 agatattggt tggttgagag agtcatacac tactctgaac ttgctacgat tntacgtggt 360
 ctgtacccca cattacaaat tccagataag tgtgaggtag atgagccgta tattccaaca 420
 taccagattt ccacagaaaa ggcaaaaaag gacttgggaa tagagtttac tcctttggga 480
 gtgagtctca nggagact 498

<210> 9275
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220101e05d1
 <400> 9275

atcttgccaa cagatttacc gctactacac gtgtagcact accaccttct tggggggggg 60

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
gggggggggg gggggggggg ttttcaaaag gcctttcccc aaaaggataa gaaaaacccc 180
ataaacctgg aaggcttttt aacaccgtac caaaggggga ttttagggat ttgggaaagg 240
gtcccttggg aaaaaaaaaaag cccaattccc ccccaaattt aaggggggat tccccaaaac 300
gtttggggca accttctttg ggggtagcct tttaaagcca atcccccca aaatattctt 360
tggggggggg ggcccaaaaa ttttcccgga aaccctaaa aggggggggt ttaaaaccgg 420
gttaaaccgg tttccaaatg tagggttaac ccccaaatg gggggtttaa acttgggggc 480
ctttgggtcc cccaaaatcc cctgcccccc aa 512

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<210>      9276
<211>      498
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220101e06a1

<400>      9276

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tctattaacc caactatggt ggcaggacct ctcttacaac cagagattaa tgaatgtggt 180
gagccaattt taaacctaataaatggtaaa ccatttccaa atgaatcttt tggatggggtc 240
gatgggaaag atgttgctaa tgctcatatt ctggcctatg aaattgctcc agctagcgga 300
agatattggt tggttgagag agtcatacac tactctgaac ttgctacgat tgtacgtggt 360
ctgtacccca cattacaaat tgcagataag tgtgaggtag atgagccgta tattccaaca 420
taccagattt gcacagaaca tgctaaatag gacttgggaa taaagaatac tcctttggta 480
gtgagtctca cggagact 498

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<210>      9277
<211>      374
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220101e06d1

<400>      9277

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agacttgacc agtcaattta ccggtgtgca tgtgtgtacg tccaccttct ttggggggggg 60
 ggggggggag ggggggggag ggctagtgcg ggggggggct ggggggggta gggaggaggg 120
 tgaaggacgg gcggggttaag aataaagaaa ggggatccgg taccaaggcc catacatcct 180
 agcacagggg aattaaagat gtgactgtag cgcaagaata aagcttgggg agaaacatat 240
 gtgggaaaac acaccaatat ttcgatttta catgagagac tacgtctaga atagtagcag 300
 agttcaaatg gtgttgaacg tagatgcgca ctactggttg gactaacaac tgggtgatggg 360
 ctgtgccagt gttt 374

<210> 9278
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101e07a1
 <400> 9278

tctatttgca tctcataaca gagagctgag aaaggaagaa aaaagcgtgt gtcagagata 60
 cttacaatg gttgtagaag atacccaaaa gtcagtcac acggaggacc aataccctag 120
 cagggtcgtc agcgacaaca acaacgacga cgacgacgat gatctcgaag agggtgagat 180
 ccccgtcgac ggcgaagata gcggcgccac cgccacaacg aagcctccgg ccgccctcgc 240
 ccgaaacccc caccctctgg agaattcctg gaccttctgg ttcgacaacc cttcctccaa 300
 gtccaaacaa gccgcatggg gcagctccat ccgaccatc tacactttcg ccaccgttga 360
 agagtttttg agcatttaca ataacattca ccacccgagc aagttggggt tggggggcgga 420
 ctttactgc ttcaagcaca agattgagcc aaagtgggag gaccctatct gcgccat 477

<210> 9279
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101e07d1
 <400> 9279

ttgccaggag atttgccgta ctacctacat gtgtgcagta cctccttctt gggggggggg 60
 gggggggagc aggcatataa atcttggtaa atcctaaata agggggtagg aacaaaatag 120

tgggggtcagg gtagggcttg gagaataaat aaatggcgca gtaaccaggt gtttgggaga 180
 gttaagttac gtaaagagtt gttagttata ataaagagct aacgatgata aacagcccct 240
 taaaaccctg atcaaggtag tgaactgata gcgaacacac caaacattac ctagtaaaag 300
 ctcatggttag ctaaccaagc gatgcttggt tggtagggct gatttacgga aaaatctgag 360
 atatggtaga taatcgaggg aggggggacta ttgtgcgtta ctgggtgggct agttgtagca 420
 aagagaaact taaggcgctg aggcgaagta acaaat 456

<210> 9280
 <211> 403
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101e09a1

<400> 9280

agttcgacat cggaaaatgt gaggattttg tctgggtgac aaaggatgaa ttgacggagt 60
 attttcccgga gcaagccgag tttttaaata agatgatcat tagctgatga aagtggagaa 120
 cagttgttta attgaaattt ttgccagtta gttcctagaa tgacagtgga gggccttgca 180
 agaagatcaa tgtaagataa agtttctggg cacattggaa gatttcgatt taaagttaaa 240
 cgtgacatct ctagtttttg agacttgctc gagttaatgg atgctggaag gcttttttgt 300
 ttaaaaacgt attttgttgt ttcttttaat ttgccatagc tcttcttgta gctgtactgt 360
 aataaataag ttgcaatggt gattatgacg atttgaatat gtt 403

<210> 9281
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101e09d1

<400> 9281

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 gggggggggg gggattgagg taaagtcgta gaagtattag gctaattggag ggaggatacg 120
 ataagtataa caacactgag cctaaaggaa aacaaataat aaaagatcgg gggaaataaa 180
 aaacttggtt actagttagg aatgtccata acgtgttaaa atgacacagc gtatcgggaa 240

tgggaaagtc aaagtgggta agcgctttac aaatgggagt ggataggcag tgggtggctaa 300
 cctttgttat gcgtaggtga ccaatgaatg cctaaaaagg gtaaggaaat aatgcggtgt 360
 tatgggtagt actgaagcag tagtggaggg aaaaatgtcc tggctgtccc aaaagatgtt 420
 cgtaaggtag ttgggcgtat ttacataaaa gttgtatagg ggttcagcgt caatgtgtca 480
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 gaaag 545

<210> 9282
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220101e10a1
 <400> 9282

agccacatga atccttcata cgacgattca tgaggcacgc ccacatctgc taataattct 60
 ccatgcacct ctccaccaat tectaataatt ttttttcatt gcgcacaca acattcataa 120
 gttggggcca tattttatta aacaatatct tcacatgcta ctacaatatc atcactctct 180
 caactctgca taccacaacc cacaaaaaca ctgagacatt aacacatcca tcaccagcta 240
 ccaaagccaa cgccccaatc ataattatat aacacatccc gatgcctata ttgcatacca 300
 atccccacc attggcccca cactagaggc ttaccaacaa aactgaatac ctgaccaacg 360
 tattgtactg cacatgacat ggcttcttgt atagatctaa actttactca tgatatcagc 420
 cttcaactta tctttt 436

<210> 9283
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220101e12a1
 <400> 9283

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 aaccttaatc tttctctttc catctacaca tccactcgat tggagggttt cacggcatcg 120
 ttggagtga acaacttaca gtgtgtgacg cgaccccggtg ttacatcaga cagaaaagag 180

acttacactc ggccccaact aatccaacgg cgggagcata caaagaactg gaagaacatc 240
 ttctccaagt ccttctcaag cttgtggaag ctgottggcc agcgggtggag cacctctcac 300
 ctctacaaca ggc 313

<210> 9284
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101e12d1
 <400> 9284

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 tacgtcagct gccgatcttg cttcgagatc cccctacttt tgccgtgtca tctatatcac 120
 attgccactc aaggggattt tggagtattg gtgcaccatt catcttacta catcttaata 180
 ttacgcataa ctcgaactct ccatacctta aattttaact accagctagg tccgacacag 240
 actaagcaat ggcaacgacc gagttagagg tgactgttga gagcaagaac aaagacctca 300
 agcacctggg gtttgtgagg attgctgcta ttcaaacatt tgtgattgtg tcaaactctgt 360
 atgagttcgc aaagcagaat tctgggcctt tgagatccgt cgtatgaacg gctgagaaca 420
 ctgtaaccac cattctcggc cctgtctgca acacattcaa ggacgtccct gatgatgttc 480
 ctgtttttgt tgacacaagg tggatgaagc gttccacaag ttcaatgagc acgctccttc 540
 ttttgcttaa 550

<210> 9285
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f01d1
 <400> 9285

catagactgg caattgaccg ctactacata catgtgagca cgtctgcttg gggggggggg 60
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gtttgcaaca 120
 aacaacaaaa taattgggta attgggggatg cccaataaga tttagaatat gggataaaaa 180
 ggcctggggg gaagttttgg gaccagttaa taagcccttt agcagcacc ctgtaggggg 240

ttaatgtaca ccaagagggg accttggata atagcccgca aaaagaccta gatgccccag 300
 ctacgtaatg aaaacactgc attccctaata tgtttgcagt aacgaggccc gcccttaggg 360
 aacccccaga cggaatcatg caaaaactta ccgttactgt cacaaacaac tgttgggtta 420
 ctagttggat ttagtgggag tagagtggtc aaactagggc aattaagggtg gcaacgggtc 480
 atatctcccg gttagtaccc caactaatga ag 512

<210> 9286
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101f02d1

<400> 9286

tagttgccag gaagggactt gccgtactac actgagtccg cctgcttggg gggggggggg 60
 gggcaaaaat aaagaactgg atcgtatatg taaggtagtg gaaaataaca tgataacaat 120
 aaatacaagc atggcctaag ttagccgcgg tattagaggt attaagcgct atagccacta 180
 gatggagggg gcagaacgga ggaggagcct gacaaaatac agacaaaaac ataatggaa 240
 ctagaattat tggaggaatg attagctagt ataggaagta gctagcacgg aatgtagccg 300
 ctactgccgc tgccaatatg gttattatgc ttccaagcc caattgtaga attaccggg 360
 ccataaaac gcgtagtatt attaccaata gaatgctgat tgccgccgca gttgcagttg 420
 cggctccagt tgctgttggt aggggttaggc ttattaacga agccaggggc accgcgcaca 480
 gcaaagggag cg 492

<210> 9287
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101f03d1

<400> 9287

gctgccagca atttgccgct ctacatgtgt agtagtgcca ccttcttggg gggggggggg 60
 gggggggggg gggggggggg gggcaaacca aagataaaga ggagggaat taaaagaca 120
 caaggacggt gaggtggcca agaagataga taaagtaagg gataatccta agctgcacaa 180

caggaggcac ctaaagcaat gctagagagg tgaagataag ctataacacg atcagaccag 240
 ggtgatacaa attttcggca gcggggacaa taaatcgact gagaggccaa agacaagccc 300
 agaatcgggtg aacgataaga aggggagacc atatccttaa agtagtggag ccacggcaaa 360
 ggcgaccaag gcgaggccca aggccaaaag cgacaacatt cgctgggagt acagggcccc 420
 caacgggacc aagaccgggg tgcaacaaac gtgtgcctgg aaaaaagcat gggcctggaa 480
 cccagaccgg gaataaggcc aaagccggga acgagcgccg gaa 523

<210> 9288
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f04a1
 <400> 9288

agccagtga acgcagagct attacgtcgc atgccccccc tcagcaggga ataattctgg 60
 tggaggacat gtgaatacct aggcttattt gaaacgagct gcccttggtg atatacacgg 120
 gtggggcgat ttatgactac acaacctcgt tccaaacttg gagccagagc atttacatag 180
 ccattatgga tcgaacaggt ggacctctca ggcgaaatgaa gagaaaaact ctggcagccg 240
 tattgatgat tgcatacaca tcagtcatcc ccacctttgc ctattgcggg gtctgtctacc 300
 ctgataattc ttgtgcgagg gaagaatgga atgggtgctga tgacccttat agccagccct 360
 ttgttgatgt acctgctctc cttataagat aacttgggta tg 402

<210> 9289
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f05a1
 <400> 9289

aaaggctctc tctagtctct tgttcagatc tcacctatgc cacaattttc actcagtggg 60
 agcctctcaa aacgaatatt ctttgcttaa attttcataa tatttttata gaatcactat 120
 ctttttcttt ctccaaccgc cactgcatcc gatgctgttt ccctcatcat cttgacggca 180
 attttgctgg ttcctcacca aaagttcaag acttcaagaa atggatcaac aagttgagag 240

gcagaagcgt agcaaggaga tgaagaggaa gagtagtagt caagtgaaca agcgcacaag 300
 ttaatgatat gttgtcggtg ccctgtcgt gcagcaacgt gcatg 345

<210> 9290
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101f05d1

<400> 9290

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 ggaacattgg acaataatgt tgttaaaggg ttaaaggcgg gagttagaag caaaacaagc 120
 agcgaaactg agcgatgacg aggatgagta ttacaccaa cagaatacaa ttaaacgcac 180
 aatgcaatta gggaggtagt tgggtgtaaaa ggggtgaaag tttgttagaa caagctggca 240
 cgtgaggaat taggggccgg ccgcgtatta agtaaacgct ggctaagcag ccgcctcagc 300
 gtgagcggta gttaacttta actatgctat aatacccgaa tagcgcataa atagctattg 360
 cttgagattg tccaatagct atcggtctgt atcatacccc taatcataat agagtaggaa 420
 tggcggctct ggcggtatgg gatgatgatg tggttgtggt agtggtggct gatctggtgc 480
 ttgtgtaatg gcggcagtta ggggtggcaac gtggcaatgg ggcc 524

<210> 9291
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220101f06a1

<400> 9291

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 gtttggtaa gcaacaagaa taatgagtct ggctatgcgt tgctggagct gaagcaatgg 120
 ttttctcaat tgacatacaa catggttctt cgaatggctg tcggaaagcg acttttcggt 180
 gctagaacta tggatgatga gaaagctcag agatgtgtga aggctgtgaa ggagttcatg 240
 cgtctgatgg ggggtgttcac ggtggcagat gctattcctt tcttgagatg gtttgatttt 300

ggtggctatg agaaggccat gaaggaaact gccaaaggatt tggatgagat ttttgggtgag 360
 tggtagagg agcacaaca aaatagggct tttgggtgaga acaacgttga tggaattcaa 420
 gacttcgtgg acgtcatgct ntccttgttt gatggaaaaa caatttatgg catagatgcg 480
 gataccatca tcaaatacaa tttacttgac ataatttca 519

<210> 9292
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f06d1
 <400> 9292

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 ggggggcca gaagaggaga taggcagagg gacgcgttag ccggtgtata aggatcacgg 120
 atagacaatg ggtatcaaaa aaaaaaccca aggatacaaa agtaataaac ttggaaattg 180
 gaggataata tcatggagga taatattata gccgcataag gggcgcaagg gtaaaaagct 240
 ttggggcatc aaaagagaag ggagtaccta aattgcaggg agtgaaaaca acagtataga 300
 cggaataag ccatgggtta taaagtctga acataacagg tatagctggg gagaaagaat 360
 aatgacaaca gaagtcgcct ggaaggaaaa gtgtaacgcc acgactggga cgtggcctga 420
 agttaaacgg ggtacgtaga gtaagaccgg gagggcagcc aggaacaag caaaaacaag 480
 caaaaacatg cctaacaagt aaagcaatta gggcaacct 519

<210> 9293
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f07a1
 <400> 9293

tgacaattga taatggtggt tttgagggtc ttgctacaaa tggagatact catcttggag 60
 gtgaggactt tgatcagaga ataatggagt acttcattaa attgatcaag aaaaagcatg 120
 gaaaggatat tagcaaggac agtagagcac ttggcaagct gaggagagag gctgagcgtg 180
 caaagagagc tctcagcagc cagcaccagg tccgtgtgga aattgaatca ctttttgatg 240

gtgttgattt ttctgagcca ctcacccgag ctcggtttga ggagttgaac aatgacttgt 300
 tccggaagac catgggtcca gtgaagaagg ctatggaaga tgctggatta cagaagagtc 360
 agattgatga gattgttctt gttggtggaa gcacaaggat tccaaaggta caacaacttt 420
 tgaaggacta ctttgatgga aag 443

<210> 9294
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f07d1
 <400> 9294

aatgcttgac cggtagattt gccgtgctac actgttgac gtcgccttc attggggggg 60
 gggggggggg gggggggggc atctaaccgc acgccgaaaa tgacttaatt aaaaataaag 120
 gtaactaggg agtgggggaaa cgaggggtcc tattaaaaag ataacactgc cccaactggg 180
 gtgtaatggg tattgaggag aaaaatggga acatgttctg gaaatgatat gatgctgtag 240
 taggtaggct gatctaaca tagtgtgaca ctgtcgtagc acaagtatta gttgttgtct 300
 tgcagctatt attattgccc ctgttattgc agtgtgcaga gatactatgc agcaggcccc 360
 gctaaatact ggctattgtg ggcaactgtg ttgtagaggt ggtgggtgtt atatgtgccg 420
 gcatagttag ttaggttaag ctggtgggga tgctacgtgt aaggggtgtt ggg 473

<210> 9295
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f08a1
 <400> 9295

cgttctaaca attctcattc aagtttcacc tttcgccgga aaaagaaaaa ctcacgcca 60
 acgctgaacc tctccgtttc tctcctccg tcgaccgctc cgccagcttt cccagcgga 120
 actccgtccg cgccgtcgcg gaggaggcgg tggagacacg gcggccggca gccagcctct 180
 acgatgtgtt gcgagtcgag cgagacgcat ctccgacgga gatcaagtcg gcgtaccgga 240
 gcctcgcgaa gctcttacat cccgacgcgg cgggtgcggcg ttcgccagag acagacggag 300

gcgccgggtta cgtcgacgga gacttcattc agctccgaaa cgcgtacgag acgctgtcgg 360
 atccgtcggc gaaggcgata tacgatatga cgtcggcggc gccgcacggc ggaagacacc 420
 gccgggttttc tactccactt attcgggaacc actcgtcggc gtttacacaa cgcgaagggg 480
 gaaacag 487

<210> 9296
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f08d1
 <400> 9296

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 gggggggggg ggggggtgta aggccgctag gagaggacaa gcgcgtaggg gtccgggcat 120
 aactggggaa tgataagtaa aatatatata tagtcggacg tagtggcgaa cgctcgcaaa 180
 agcggcctag tatcatatgt gtagcacggg gttaacaaca ggaaggaaga cacaaatatg 240
 ggctgggatg cgggggctag acgaatgggg ctatagacgg tgtattcagg tccacaggtt 300
 gtgggtggcg gaataaagtt ataagggggt gggcggaagg tttcaactaa gcggaaggtt 360
 gtgattacta ggccgtcggg gtttattggt ctccggcgga aaatcttcat cacgccggtt 420
 caagaacgcc acgacaaaat tcctccgcgt gggtcttcgc tcctcttctt actcgtagag 480
 tcgagagtct tgggtcttcat ccagttcata ctcgtgtoga tctcgggtcc 530

<210> 9297
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101f09a1
 <400> 9297

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 gtcatacacc actcctgtgg atgtatgcag gctctcctta gtttccaaag cctttcgttc 120
 tgcagctgaa tcagacactg tgtgggattg ttttctcctt tccgatttca cctctatcat 180
 tcctatttcc tctacctcta agaaggatct ctatttcact ctctcagacc atcccaccat 240

agaagccggt ttcaaggtcc gtcaaagccg gtctccaatt ccccgctcgga agaattggcc 120
 gttatttgaa gaaaggaagg tacgctcagc gtgtcggtagc cgggtgctccc gtatacttgg 180
 ctgcagttct cgaataccta gctgccgagg tgcttgagtt ggctgggaat gccgcacgtg 240
 acaacaagaa gaacaggatt attccaagac acgtgctttt ggcagtgagg aacgatgaag 300
 agttggggaa attgcttgct ggagtgcaca ttgcacatgg tggcgtgctt ccaaacaatca 360
 accctgtttt gttgcctaag aagactgaga gggcttncaa ggaacctaaa tctccatcca 420
 aggctaccaa atctcctaag aaagcttaga ttac 454

<210> 9300
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f10d1
 <400> 9300

gattgaaaac aaggggggtt ccacttttca ttaacgaagc aaacttactc ctacaagcaa 60
 caaattggga caagaattac agggttttcg aaaccataa aatatcctgt tacacaaaaa 120
 gcacctaaac accgatttac aactactaat taaatatgga aaataaaaaa gtaatctaag 180
 ctttcttagg agatttggtg gccttgtagt gagatttagg ttccttgga gccctttcag 240
 tcttcttagg caacaaaaca gggttgatgt ttggaagcac gccaccatgt gcaattgtca 300
 ctccagcaag caatttcccc aacttttcat cgttctctac tgccaaaagc acgtgtcttg 360
 gaataatcct gttcttcttg ttgtcacgtg cggcattccc agccaactca agcacctcgg 420
 cagc 424

<210> 9301
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101f11a1
 <400> 9301

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 catctctatt attggcaaga cattggctcc ctttgatgat gataacttga ttccatgttt 120

tggatttggt gatgctacta cccatgatca agaagtgttt agctttcaca gtgatcattc 180
 accttgccat ggctttgagg aagttttggc ctgctaccag aaaatagttc caaacttgaa 240
 actttcagga ccaacttctt atgccccggt gattgaggct gctatagaca ttgtggagaa 300
 aaatcgtggc caattccatg tgttggttat agttgctgat ggccagggtta caagaagtgt 360
 cgacacaagt gatggagaac tcagtcctca agaagaaaaa acaattaaag cagtagttga 420
 tgcaagcgca tatccgcttg cgatagttct ggttgagggtt ggtgacgggc cttgngaaga 480
 catgagaaaa tttgatgaca agata 505

<210> 9302
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f11d1
 <400> 9302

gcagagcaaa aatttgatta gagaccgtaa atatatgaaa cattatgggc aggatatag 60
 gaatatacaa cttgaaacgc attgacacga accatgcata catgtagaaa ccttgagaaa 120
 ttcatgtcca tttttaaata cacttgaaac atcccaaaca gagacaagct atcattttca 180
 gacttttaac cccaccatat ataaacccta ttgagaaagg cctgttatgc aaactatgta 240
 atcaatgtgc atggatttga ttgcaatcac cccctatgca ccctgagacg actagggatc 300
 caatttcggc acatgggaca accagttaat tagggccac actctatgta agtcatgtgc 360
 ccacatcaa aggccagatc tcttgcatg gtcaaacaaa ctgggcaag 409

<210> 9303
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101f12a1
 <400> 9303

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 gaagcttttg ttgctgggtt aatgatttta attttattgg tctcagatta acctttctct 120
 ttgcgaatcc tattgattca acgtcgattg tgaatctgag tgtttttact ttgattcgat 180

tcgatatgaa gcgagcgagg aaatccaaca gggtttcgtg ggctactgga gataatctgg 240
 gtcaggtaaa attggtccttg tctgaggatt ttccctcaat agttggtcag aaatcgcaag 300
 atcatcttca agcaaagaca tcatcaatgg tacattctaa tattaacgaa cctaattgatt 360
 tgcccccc 368

<210> 9304
 <211> 358
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101f12d1

<400> 9304

gttgttctga ttttaacctt ttttttcagg acttcttatt atccccctgca aactaactag 60
 ttaccggggc ggggtccttc gggccctcgt tggcaacctc ttgtccgtaa cgcgccaaaa 120
 ttgcccaacc cggcaaattg aaagtaccct ctatgacaaa aagcttcttg gtaatttttc 180
 cgaacaactg ctgcgtactg gccctggggg acgttaaaat cgtaaacccc ctggttgga 240
 aaattttggc ctatcgaaac ctggcggcct aaaacctttg cgcgagcttt attctgcccc 300
 ctttttatta cctggcgcgt ttttacttgg agtacctttt tgcaagccct gctttttt 358

<210> 9305
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101g01d1

<400> 9305

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 gtagggttgg gcctggtacc agaccttgaa gaacaaaata aagaaggtta aggtagagag 180
 caataggggg cttgttggag ggtggcaaaa ggcgcaaggc caaggttttc accaaggttc 240
 agtgtaggggt tgggcctggt accagacctt gaagaacaaa ataaagaagg ttaaggtaga 300
 gagcaatagg gggcttggtg gagggtgga aaagcgccaa ggccaagggtt ttcaccccg 360
 ttgtgacacg tcattgctag ctagctaact ggcgtgtgtt tgggacgcac ccggactggc 420

ctatgccttc gtcggggata atcgctgcat gcccaaaatt tgcctcgat ttaatggaag 480
tcttggctac tatagttctt gggctgtact gcctcgaaga ctca 524

<210> 9306
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101g02d1

<400> 9306

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gggggggggg gttggcacat tgtaatagga tgctatgagc tggccgtaag aactagata 120
gaaggaaagc gctaaacaag tacggagaca ggggagagac ggaagaacgg cacataaggt 180
aatagttgta caataactat gtggttaggg cccatgcaaa gaaaatatgt ttttatgtgt 240
acaattacca agaataaaac agaaaccaa tccgcagcc attagaatta cagtgatggt 300
tagtaggttg acttttggaa agcggcaatg gggcgccaat cgtaaacgta gtaaacgtag 360
agtgggcgtg tgtgtggtta cttggacata aagataatgc agtctagcaa agggcggtcg 420
tgcgtctacg aacgggttgg cacacgctta ggaggtgggc caggcagcaa gtaagagcgg 480
taagtagggt 490

<210> 9307
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101g03d1

<400> 9307

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ggggcccaa aactaacgaa taggaacggc caggtccaga tataacagaa ggtataggag 120
tgcaacgatg gtattaaata taaagtgaat aatgtgtaaa acgtagggtc ggtgggcac 180
tgtatgggtt ccccatcaac ggccgcctag acctttacct cggcggcggc ataccgtac 240
taaccgcagt cctcaccggt gtttaagccat ttgggttccg cataagcctt gcaataaaca 300
acttaaatag acacaatagc ctttaagtcgt tcgggtggcac ggttggtatt ggaactgtac 360

taaaacttgt gcccgtagta ctaaccttta agcccgtaa ctgcttattg cccgacaggc 420
ccgtacgcat tgtattcacc cccttattac taagatccga attggtaatc ctatttagga 480
ccagaatggc gcgcctttac agcctcaaca gctgtgccct cgccag 526

<210> 9308
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101g04a1

<400> 9308

gagaaaactg gcaagtctgc attgtctgca tcttcaagga agggccttgg atctgtggct 60
gggaacaaag ggaaggtaaa tatgcgtagt gtttcacgac cgctatcggg atcatcatat 120
gtttccactt ccaactcttc ccttcgtaaa caaaataatg ctgcttctaa gtccaacaaa 180
agaggacatg atcatgaagg tgagaatgtg aagatggggg acaaaatcag gccaaaagta 240
agcacaaaag ttggtgcagc aaataaatct gttcttgcag ctcggaatt gaatttcagg 300
agaggaaaag tgattgaact tcagcctcag agcaacgacg ttccaaggag actcaaattc 360
aggccggcac gcattcttgg cgatgacatg aggagagaca taaatagtgc aagaaaaaag 420
accattgtgg a 431

<210> 9309
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101g04d1

<400> 9309

ctagcttgcc aactaaccgt actacatcgt tagtactacc accttcttgg gggggggggg 60
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
gggggggggg ggggggggga aaattttacc caaaaaaaa aaaaaaattt ttaccccccc 180
caaaaaccgc ccctttaaaa ttttaataaa cccccgacc aaaaaccgg gttatggggt 240
ttcagaagta aaaggaaacc caaaaaccct tttgggggaa ttttaaaacc cgaaaacctt 300
aaattttttt tccccaaaac cccttaaggg ggaaagggaa aaccctttta acccaaaatt 360

ccaaaaattc ccaaattttg ggaataatcc cccaaaaaaa aagtttattt ttaaaaaccc 420

cccgcggtta aaacccttc cgggaaaatt taaatggggg gatttaaagg gggg 474

<210> 9310

<211> 346

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101g05a1

<400> 9310

ggaaatcgct gtgttaacgg cgttttgaac gtcgttttcg tttgtgacat cgcaatggac 60

ataggaagcg gattccaagt gtttgcaaag agagagacc c aaatcgtctt gaatatcagc 120

tatcacaacg tgtgtccat gcttagagaa gagtcttgca gtggcctcac ctataccgct 180

agcaccacca ctgataagag ccactttccc ttcaagcctt ataaatattt gggatatgaca 240

tgtaggtta gcaagaagac agctgtcaca gttctataat tttatctaag acaattggta 300

tttgtaaagc tatataatcc tttatttttag tatgaatgca ttagat 346

<210> 9311

<211> 513

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101g05d1

<400> 9311

cgacccgac ggtttaccgt gctacatgtg tagtagtacc gccttcttgg gggggggggg 60

gggggggggg gggggggggg aataaagggg agtgaagcta ggtagatgaa aagaaaccag 120

gagagatcgg aataaagatt aaggcgtgga cagaaaagga gacaatgcgc atactgcgtg 180

gtggctgaat tgaatagcgt agatttaaag agggagaacc tggcaaccca aacgcctgtg 240

gagtacgccg ccgctgactc cgagaccgca cttatgcta acatgtggtg tgaactagcc 300

actatatcgg cgcagactgc agaggtaaca tcagggcccg tgtgtgtggg ctaaatatgg 360

ccaagttctg gttgagcgtt aggctcagcg tataaatcaa aatcatcggg aaaatcttcg 420

gaatatactc agggtttgtc acttcaaggt tcactggatc gatctcgcta gctcatcgta 480

gactgtggtg agacgcgtat tgaaaggtaa ggt 513

<210> 9312
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101g06a1

<400> 9312

tgggtggttca catcataatt caatgcaaaa gagcaatggt tataaagagg aatgggaatc 60
 atcagaagag gttgctgagc agattctaaa ggaaccaa at tctagattct taacgtcagg 120
 ccataatgat gaccaagctt gtgtctctga aaaggccact ggcaattctc agcagagtaa 180
 tggatttgggt cagactgaga gggacaattt aggggaaatc agggtaattg cacctggaag 240
 tattctccca tcgaccctg acacaaagga cagtactgaa cccaaccagg gaaatgggtga 300
 aaactcatcg cgtgtgtttg gacttagtcg tagattacta ataaatagct ttcagcggaa 360
 agtttctttt gatgaaaaat ctgaacatta taattctctg aaatctgtta tattggacca 420
 gagtggacaa aatggcattg taggaccatc acttcctgag acaaca 466

<210> 9313
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101g06d1

<400> 9313

agcttgccag caatttaccg tgctacatgt gagtagtgcc gccttcttgg gggggggggg 60
 gggggggggc aaagcaaatg ctatgatatg gaagaatata gaaataacag ggaggtatat 120
 agcgcgatag ataataaact tgtaactaat ggtatggtaa cacctgaaaa aatagaaacc 180
 atgatgtcgc gagcaaagag ggggggggtg gaggaaaaaa aatagcgtag cgagtatggt 240
 acggagtagt agtgggtatta gtagtatgtc taataattgc atccaggcta gggcttggtg 300
 ttaaaaggct gcgaatgggc atcgggctgc gccattacg ccgagtaggg catgggttgc 360
 agatgcgccc ttggaccggc aagcttgcaa ttaagaaaga aagcctaacy taagctaaaa 420
 cggcatgata aggaatagca gggaggggaa gcggctgaca atagcgggtc caggcagggg 480
 gcgtagtaag ggcgaaggga caccatgaag gacagtga aaagaatga acgagggg 538

<210> 9314
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101g07a1

<400> 9314

caaaactata ataatgggtt cttcttctcc tccggacact agcaagagca taaagctaga 60
 gcgatacaac agctacatca ggagactcaa cagcaccaaa ctctcaacg cctcctccaa 120
 actcctcttc cgtgccacta tcttagtcgc actcatctc gtcttctctt tcaccttcaa 180
 ctaccctccc ctgcgccag acttcacctc ccaccgccac ctccactccc actcccactt 240
 cctctctctc tctctctctc tcgctctctg ggagaagcag gtccgccact cctccacccc 300
 tcgccgcccc aacggcctca cgtctctgt caccggcgcc gctggcttcg tcggcagcca 360
 ctgctccctt gccctcaaaa aacgcggcga cggcggtctc gggctcgaca acttcaacag 420
 ctactacgat ccctccctga aacgctcccg tcaggcaatg ctctggaaac accagggtttt 480
 ca 482

<210> 9315
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220101g07d1

<400> 9315

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 gggggcagtt aaccgaccga gggcaaggag ggcgggggtg ggcgggtggc gaaaaataaa 120
 aataacccta gcgccgcga ccagaaggaa cctggcccga tcgatcgacc gcaggaggta 180
 ggcgtaaccg cagaggttgg ggggacttgg gctgccacct tcgaagaatt caccgattat 240
 ggcacatg gttgcacatt cgcctcaca gtccgccgc caggcgaaca caaagtttgc 300
 gaccttaact gcataggcct cgcgcgcaac ccaatcgtct tcgggcagcc tagtggaagc 360
 atcgtggtg gccttgcccg ctggactaca ttggttaca gccatattaa ccgtttaatt 420
 cctattgcgc aacgcggttt tacaggcgag atgtgc 456

<210> 9316
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101g08a1

<400> 9316

cgcagtttgc ctcaccggtg tgtttttcct ccgggagact ccccccgacg tctccgccgg 60
 tgatgacgac ggccaagagg taaagtactt cggcttcttc aacgtggtgg cggtgccggt 120
 ggcgcttttt ctgttgccgt atgggttcat cccagccct agcatgttgg tgtcaagatt 180
 gtttgtggcg gttttggtgg tgatgctggc ttcgccgttg gggatcccgg tgtactcgta 240
 cttgaaggga cggctcggag ggggaaatga cgtggagagg cagaggctga aggagccgtt 300
 gcttcagatt ccggagaagg agaataagg cgtggtggcg gaagaagagg cggagatagt 360
 gaagagggcg ccggaggtgg gtgaggagca cacgatagtg gaggcgctga gaagcgtaga 420
 tttttggatc ttgttcgtgt ccgttttctg tgggggttggg acgggggttgg cagtgatgaa 480
 caatatgggg tc 492

<210> 9317
 <211> 605
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101g08d1

<400> 9317

taacttggcc ggttaatttg ccgtgctgca tgtgtagcag tacctccttc ttgggggggg 60
 gggggggggg gggggggggg gggggaagaa gaataactc gcagagggga agtgagtaaa 120
 aaatgtgtat cagatgaaag atatggagg gtagagccaa taaaaacaag gtgtgtgcag 180
 tttatagtag aaaaaaatg aagaagaata cgatagccac cttgaaagcc aaggaaaaat 240
 aaagcctttg ttgggaggcc aaaaagcacg gggaatgagt acagaccata acgtattggc 300
 tgcacccaga tgcacagagt atggcactag aaacggtagt aagtttacca agcgtagatt 360
 aggtgcaagt atgcttgagg gcagcgggtg aaccaggggt gccctggtgg ctgtcgccaa 420
 agtggccgcg aaagaggtgg ccggtgcagg cataatacaa gcgtgaacaa caagttaata 480

agctagctgt tacgtagcat aagaaacatg acttgccaat aagcattgtt aatatagcgc 540
 ggcttgttgt ttgtgcggcg acggcttgtt agagtagaca cgagcttact aactacatta 600
 caca 605

<210> 9318
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101g09a1

<400> 9318

gttaaaaaaa agagaaacta gttccatatt cattctccac acttgactca ggtgggggtac 60
 aacctccca atacttgatt ataccaaca aagaacttca ctactctta atttcttatg 120
 gcatcatccg agaacggagc cagtattgag ccatgcacgc tccgtcccc tgtcaccgat 180
 tcctggcctc gatagtattt agctcgtgac gccaatgcct tacaccgagg ctgcgcagac 240
 gtctgtctcc tacactgact tgccgggcga ggaaaacaca ct 282

<210> 9319
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101g09d1

<400> 9319

gtcgacccgg ccgggtagcc ctctacatg catgtatgna cgtcctcttg cttggggggg 60
 ggggggagta cataaggaag atgtatctta gaggtagggg attggccac cccgatacaa 120
 cagatagatg attgtcggac gttgctgttt agagaaattt attaaagcgc aaccgtccca 180
 caactgcgat ttatgaattt aagagattgg ggtgaggtat gataaaatgc tgctgtctgg 240
 gggactgtgt gcaagtatat catggatata aggaggcggg cgagcaaaca ataggagctc 300
 atataacagg acttgccgta agtaaggcat tgcaaggccc tgcggtaatt gagaatccac 360
 tgggtgtac attt 374

<210> 9320

<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101g10a1

<400> 9320

ctcaatccccg gtcaggggggt cgatttttgc atacatcaag gtcacgttct cgttcacggg 60
ggaagatcaa aaggactagt ggttttgata tggctcccc tgcctctgct atgttggtg 120
gtgcttctgc tgttgaggc aatgttggc tactagcccc actctgctga caattggcgt 180
gagccgacat ctgtagcttt tatgtccacg gaggaatcaa tgcacctgtt tttggtcaga 240
tactggggc taaccctaca attcctggaa tgtttccaaa tatgtttccg ttggctacaa 300
atcagatgca acaatttagt gctctccctg tcatgccagt gcaggctatg actcaacagg 360
ctactcgaca tgctaggcgg gtgtatgttg gaagcctccc tctacagct aatgagcagg 420
caggggcaac tctcttcagt caagttatgg ctgagattgg tggagacact gctggcccag 480
gtgatgctgt ggtcaatgtg tacattaatc atgac 515

<210> 9321
<211> 305
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101g11a1

<400> 9321

gggaagacga aggactaaag caccagctgg atgcacttcc cccttcttca cataatgctg 60
cacgtaacat aaagatcttt accattttat tatgatacaa aatagataat gttctgtatc 120
aaatttcagt cagacattgg ctctgtacat agggttatat tatcgatgca ctgtatttgt 180
attcaaattc caaatggcga acatatttga ttgctgtag ttttcaagg tctgtagatt 240
atgtgacaat gcagcagcaa tatttggatt tgtcccatat tcacatgcta ttttaatttg 300
cttaa 305

<210> 9322
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220101g11d1

<400> 9322

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cccaccatga tcaccaccct ggacaactga cagacctaca atttgaggcg ccaacggagt 120
ttgcgctcca attccgggca tcgagtaatt gacccttttt accgagccca attgtgacgg 180
aactttgaat ccaagcattt tcttttacgg gtgataacaa agtgggaaat atcttcattt 240
tccatgcagc cttccgtgac taagggggaa ctgcttccag cgggaagttt gcacc 295

<210> 9323

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220101g12a1

<400> 9323

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caccctccat ctctccatct tttggcttga ggagtctgaa atcgagctct ttatttggag 120
aatctctaag agtggcatcc aaatcaacac taaaggtttc aaagacaaag aatacttcac 180
tcgtgaccag atgtgaaatt ggtgacagtc tggaagaatt cctcacaaaa gcaacaccag 240
ataaggggtt gatcaggttg ttggtgtcca tgggagaagc attaagaaca atttccttca 300
aagtgaagac ggcttcttgt ggtggaacac aatgtgttaa tacttttggg gacgagcagc 360
ttgcagtgga tttgctagct aatcagcttc tttntgaggc cttaaattac tctcatttct 420
gcangtatgc tngctctgaa gaaaatcctg agctcctgga catg 464

<210> 9324

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220101g12d1

<400> 9324

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gcggtcccta ggcgaaaata ggatacatgt ttttttaaaa cggggataaa atgaacatgg 120

aatgcgagg ttaaccgctt gcgaggctgc tgcaacaggt ggacctccct tggcccagga 180
 ttttccatac gggggatggt aaaaccgggg tcttctattc gaggaccctt gaggcaattg 240
 agttccggcc ttaagggtgac tggggccttt caggtaagga agctgggtgac cattgctgcc 300
 agaactcaga cgtttttttaa gcagaaaccc ccacggggcg acctctaaca agaagctccg 360
 catgggattg gctcatggtg attacacgct g 391

<210> 9325
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101h01d1

<400> 9325

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 ggggccaacg ccgataaacc cgaaatgcga aggtcgggaa taagacacgc aacggataag 120
 gcgctagaga gaagaattag acgatagaag tagtggtccg ggtgtgggtg tttttatgag 180
 ttctgtctgt gcgggcttgc ggcccggcgc gatatggtgg gtgatgggta aactactaag 240
 acaaagataa agcaaagaaa gtcaaaaggt aaaggagata cccaaaaaaa gtacaaaaga 300
 tgcaataaca aagtataag ggcgcttctt aacgtaaact aaaggagaat acttgataca 360
 cctgcgtaag gtaggtggct atcagttaga gtgtgctaga ggaggcattc tatatgaaca 420
 cagagagggc gtgtgagggg gaaagctaga gttatagaca agtgcggtg gcttaataag 480
 ccgcgtaggc aagcaaagta ccgggggtata gaagt 515

<210> 9326
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101h03d1

<400> 9326

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 gggggggggg gggcccccta aaaccctaaag gggaaaaaac cccaaaaaga aaaacccttt 180

tgcaatcccc aaggggcggg aaatttttaa ctggcggttc caaacaattt ttagacgccc 240
 cccaaaaaaa atcccttaat aaggaacccc ccaaaaaggg aaaaaaatgg ttttttaggc 300
 ccccgggcta aatttaattg aataaatacc cgcccttaaa aaagggtttg ggggggcca 360
 aaattcccc cccgaaaaaa ttccaaggaa aggggggcct gcggcccaaa ctggcaattt 420
 ttgaaggccc caaaatTTTT ggggccaaat ttggggaggg cgggcctttt taaaagccgg 480
 ggcggccctt gcttttaaag gaccccccaa ttgggtttgg gg 522

<210> 9327
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101h04a1

<400> 9327

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 tcggtagagg ctagtgcact ctccaatctg caaaaatgcc tctcagactc gaaatcaagc 120
 gcaagcttgc gcaaagatca gagagagtga aatgtgtgga tctgcatcca acagagccat 180
 ggattctggc gaggtttatac tctggaactg tctgcatctg gaactaccaa tctcagacca 240
 tggccaaatc ttttgagggt accgagttac cagttagatc ggccaagttt attgcacgca 300
 aacagtgggt tggtgctgga gcagatgata tgtttattcg tgtatataat tacaacacaa 360
 tggataaagt caaagtattt gaagcacata ctgattacat taggtgtgtg gcagttcatc 420
 ctacccttcc ttatgtgctt tcatcatctg atgatatgct cataaagctc tgggatcggg 480
 aaaaggctgg atct 494

<210> 9328
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101h04d1

<400> 9328

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 gggggggggg gggggggggg gggggccaac aagtaggagg ggtgtgcccc attaggtagc 120

gggataagtt accaaaagag aaaaaggaaa aaaaagcagt aacaaaaaag gggaaaaaaa 180
 aagaatgagt gaaaaggga atacctattt cggttgacgg ttcaggggtg ataggtataa 240
 gcctatcacg agaggcaccg aaaactttta aaacaagcgc tgagagagaa atgtgacgaa 300
 aggccaatgc atttgaaaca agaggccgta gattatctct aaaagcataa aaggtaccct 360
 atgataaaat tataatatta ccaaataaat aattacgcta gaaaagtgtg gtcgcctatt 420
 ggcagaacat tgtacagaca aagtttacia ctgccaatta atg 463

<210> 9329
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101h05a1

<400> 9329

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 ataccagaac caacaagaac accaggcatt tgcacaacta ttacgagctc cgcatgacga 180
 tgcccaaagt ataattagag aacgggtccc ggtgcctaga ttggtagtgt gtgaccaaca 240
 tgggtccag gctagattct tattagcaaa actgaatccc tcagcaacgt ataataatgc 300
 acatgaaatg gctgctgggt cagatgtaat ctttactgat gatgtgagcc ttcaagtttt 360
 ctttgagcat ctgcaaagggt tggctgtcca atcatgagga cagataatag tagagattga 420
 cattctatgg gttctggact ttgggtttgg gaattcacca atgatgtgt 469

<210> 9330
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101h05d1

<400> 9330

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 ggggtaaaac agttaggcta ttcacagcac gttgagatct ggatggcata agagataaga 120
 taaaatacga gtaacacaag cagagtaa atgtaacgcgt aaaagcctgg gtcggatggg 180

ctgattgctc caatagagaa aacgaaaaca atgagagaaa ggaagttact gcaccaatth 240
 aaaaaggtag agtgccctta aaataaagac caaaaatgca cgaaaaaaaa gtgtttgttag 300
 ggctgaggat ctgctgctgc tacaccgccc cctgtggaat gtcaggggtg agttgggtgg 360
 gttctaagat ttaaatggaa tagatggggc aatttgggag ggggtgttata aaacaaaagg 420
 tcattacaat tggaaacaag gagcggggac cgtgggttga ggtggtaagg tagcacctgt 480
 tctactggtgt gagcgggaaca ataaagcaaa caaaccaaaa cgatgcaagc taatactata 540
 atctaccata tatatagtag gccgca 566

<210> 9331
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h06a1
 <400> 9331

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 aagagcacga caagtttctc gaagctcttc aattatttga cagggactgg aagaaaattg 180
 aagattttgt aggttcaaaa acagttattc agattcgaag ccatgctcag aagtacttct 240
 tgaaagttca aaagaatggg acagtggcac atgtgcctcc tccccgtcca aagcgcaaag 300
 ctgctcatcc ttaccacaaa aaggcatcaa aaaatgtttt ggtgccacta ccagcttctg 360
 ttggttatgc ttcacaaaga aatacgcttg cacctgggtt tgctcatgg gatgaaactt 420
 ccctgctgat gaatgcgga gctgataaac ccatgacctg tcaggatgaa ctcaacaatg 480
 ttcacatgg aaatgaagct 500

<210> 9332
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h06d1
 <400> 9332

aagacctgac cggttgattt gccgtgctac atgtgtgcag tgccgccttc ttgggggggg 60

gggggggtac gaaagaaaga ggaggacat aggcccatat gggataggca aaagagtga 120
 taaagtgaat caacaaactt aggtaatgcc taaattacca tgtataacct gcaactataa 180
 aaaaagcgac gagcgtaaac gcgcatggga tatatataaa ggtcctaata aaaccttatc 240
 ggggtgggggg gccgcaaaat caaaccttat cgtcagagga cgtatgacat aagacggatg 300
 tttgttttgg ggggtgaaggg gcgcagcaga tagggcgagt aggaaaaaga gtggataaat 360
 tgagcgtgtg atgacaacct aataaaagta tgctaagata ataaggcgaa gaacaagtac 420
 tgcaaaaaga taggcgctgt ggtactgggt gaatagaaat gaggggcctg cgccg 475

<210> 9333
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h07a1
 <400> 9333

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 aaaagaagaa gaaaaacaag aagaagttta acatgtcagc tgccgtggcc gcttccgctg 120
 ccgccgtac catgtcgggt taccaccaca actcctcctc gagacaacaa caacacatag 180
 accatgaatt ggccttaaca ccacaacgag tgtgtgtctc tccacctctg agcaggtacg 240
 agtcacagaa gcggcgcgat tggaacacct tcgggcaata cctgaaaaac caccgaccac 300
 ctttgactct ctcacgtgac agcggcgcgc acgttctgga attcctccgc tacctcgacc 360
 agttcggaag aaccaaggtt cagccgaaa cctgcggata ctttggaac tcccaccctc 420
 cgggtccctg cgcgtgtccc ctgaggcagg cgtggggcag cctcgacgag etc 473

<210> 9334
 <211> 586
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h07d1
 <400> 9334

tacttggcga ccaatttacc gtactacatg tgtagtacgt cctccttctt gggggggggg 60
 gggggtataa gatgggggta gagacaatca aaggatcaga ggaaggacat atgatttgca 120

tacctggtga ggtacaaaca aaacaaaaaa aaatttgcac aactggtgaa gaagcattat 180
atgacggcaa gttggcactt tgattatagt ctgaattaga caagacaaga caagaagagt 240
aggaagtcgg aaggggttat tagctagtag aatagagaat atcaagaagc ggaaacatcg 300
acggtacggc cggcaacaac cagcgcttat ggaggcgaaa gggggcatat gagggggcag 360
gtggaccag taaagaatat ctagcagtct aagtaaggaa atttattata tgcccagcag 420
cagcaciaag aacaaatttt agtacagcga caactgcgtt taggtcaagt acataatagg 480
gctgcagcac caataaacct attattatta ttattatgag atttgcaaca agaaggtata 540
gtatgtcgac aatttattag tagtagtcta gtagcagtag cagtag 586

<210> 9335
<211> 419
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220101h08a1
<400> 9335

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ttccttggcc aaggcaaggg tgccaatgcc aatgctctta gggatgttgt ctccatggga 120
actgggaagt acaccatggg caatgatttg tggatggac cagacagagt gaaatacttg 180
ggacccttct cagctcagac cccttcatac ttgaaaggag aattccctgg ggattatgga 240
tgggacactg ctggcttatc tgctgacca gaagcatttg ccaagaacag ggctcttgag 300
gtgatccatg ggcgatgggc catgcttgga gcactaggat gcatcaccac agaggtgcta 360
gaaaagtggt tgagagtgga cttaaggagc cagtgtggtt caaagctgga gcccaaata 419

<210> 9336
<211> 563
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220101h08d1
<400> 9336

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ggggggggcca aacgcggaaa acacacgagt aaaggtgtgg gaaataggct agtttcatgg 120

taataggctg agattgggtg taggccggct ggtacataaa atgagaggaa taaataacac 180
 atagttcacc gggaaaggca attggacgtt ggaacaacga tatgaagtta ataaggaggc 240
 gcagtagaga agtgatatag aaagtataaa ccgaactatc acccagccca gtagaccag 300
 gacccaacaa caacgtagag ataggggaac atttgcccca aaatggacgc ctagacattt 360
 aactaggcgg ccttataccc ggcgtgaccg ccgttaaaac cgggtgtaag ccattgggggt 420
 tacgcataag actggcaata aacaagttaa atagacacaa tagccttaat tggttagggtg 480
 gcagtgttgg catgggcact gtactaaaac gcatgcccgt agtactgacc ttacgcccg 540
 taaacgatgc ctttttaacc gac 563

<210> 9337
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220101h09a1

<400> 9337
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 caagggtcac aagataaagg ggaacttggt gattatgcga aagaatgtgt tggatatcaa 120
 cagcattacc agtgtaagg gtgtcatcgg aaccggcatt aacatcattg gaggagtcgt 180
 cgacaccgtt actgctttgg cgtcccacat ctccatccag ctcatagtgt ccaccaaggc 240
 tgatggacat gggaaaggaa aagttggaaa ggctacaaat ttaagaggac aagtgtcgtt 300
 accaaccttg ggagctggcg aagatgcata cgatgttcat tttgaatggg acagtgactt 360
 cggaattccc ggtgcattnt acattaagaa cttcatgcaa gttgagttct atctcaagtc 420
 tgtaactgtc gaagacattt caaaccacg 449

<210> 9338
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220101h09d1

<400> 9338

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 gggggggggg gggggggggg gggggggggg gggggggggg ggggggggcc ccgggggggg 120
 gggggatatc cctaaccaaa ggggaaccat aatttgcccc cgaacccaaa accgggatag 180
 aaaaccaca ggaaggtgac cgcccttggg cttagcttac ggggaaggcc caaaaagct 240
 ctcacaattt ggaaaactag gggagataaa tacaaggggg ggaggaatat ggaataccaa 300
 aaatcaaat agggaagttt tttaaaggta gaatggaatt agataggccc ccagcaacca 360
 agtaagggtt ggtgaggtat ggggaggcaa aattacccaa acgatgcaa aaattaggca 420
 cttttggaaa ccaaagattc cccccaaggt tgtgcaaacc ca 462

<210> 9339
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h10a1
 <400> 9339

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 acatagctat ctatttatct atagcaagtg cgtcaagaga cacgtggtac cctagctaga 120
 gtgccattct gtggtttctt tctttctttc tttctgcac acatcacaat ttgcattgcc 180
 tcgtgtcctt tttcttcttt gctctccaaa aatctcacac acacaggtat ctagcaaagt 240
 ggttctcacc aacaagaacc atggctattg gagaatggga aaccaagggt tttgaccaag 300
 gagaccaggc atggccgttc tgcacacaga atgtcctcca cctctttgcg caagaaatct 360
 agccgaactc ttgtctcaaa ggttccatgt gccactctca gaaactttct ttcaaatttg 420
 caagaggtta ttcttggcac caagctttcc attctcatcc ctgctattcc agct 474

<210> 9340
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h10d1
 <400> 9340

gatgcatgct ttcactttca cagataaaag attgtcacgg tcgaggaaga tcaaggtttg 60

gaccatccaa ctacaactca ttgaatgtga ataagtgtgg gagttgaatt agttcaaggg 120
 caacctcatg caagagactc ccattacgag agtagctata catgtacaaa aaattcttta 180
 gaattttaat ttgtaataat tacacgaaaa cgatttttct tgagtgtaaa ctcatgacat 240
 tctcaaataa aaattaaaga caaatctgta gaagtatcaa aaaaattcat ttaagaaact 300
 gattttttct aataattggt ttttatcagt tcatatacca tttaaaaatt taacctactg 360
 atcttatatt taaaagatga agttatttat cacattttaa taattacttt gaatgattga 420
 attagttgag ttgatgaatg attgagttag ttggaactga gaaaacaatg catacatgtg 480
 caacatcaac aacaactaat taagtggagt gatgatgaga gggactcac 529

<210> 9341
 <211> 108
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h11a1
 <400> 9341

gataactaga aacagcgtga tttatatgaa ggcctagtt ttcttcgtcg ctgggggggt 60
 ggtagtatga caacgccttg cataccctat gcgcctctc acattgaa 108

<210> 9342
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220101h11d1
 <400> 9342

tgaaaagaag tatatcctgt tttcggaact aaccgacgac atccctcgca acattttcta 60
 caaactcgac gacgatcctc gccactgggc tcgcttagcc tgtgtctgca ccaaattctc 120
 tttcctcgct agggaatttc tggtggaaga ccaaattgctc cctcaccatc cccaagacc 180
 tctctctcga cgacgcctcc gacccccctc tctccctcca caaactctcc ttctgctgcc 240
 ccggcctccg ccacgcgggc ctctgttcg acaccttcga tttcagcctc gaacgcgacc 300
 tcggccccgg caacttcaac gtcattcaccg atgattctcc ttogaacacc actccaccac 360
 caccaccacc accaccacaa caacaacaac aacaaccttc tcaatccgat ga 412

SECRET

<400> 9343

<210>	9344
<211>	554
<212>	DNA
<213>	Glycine max

<400> 9344

4240

<210> 9345
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220102a01d1

<400> 9345

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 atatcacacg agggacaa at atacatttga gtaaatttaa tttgaatacc caacaaaaga 120
 tccttttttt tttttaataa aatgaacaaa agcctttaaa actatattgc taacaaacac 180
 ggagatatta catcaagaac atacacatca tcaactgaaca agagaaatgg agcctctcaa 240
 cgggggcactc tttttctact tagtatctct tgttctttta gtcgatgttg gaatcttgca 300
 aggcgtgctt ggagactaac gagactagct gctttgcgag aaagcacgaa actcaactgg 360
 gttacgtagt tgtcaataag acttctctggc tgggtccactt ctgccagtag tttcatttct 420
 tcacgaacaa tctccattgt gtcttcaatt tcctttctat gagcagcaat tagt 474

<210> 9346
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220102a02a1

<400> 9346

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 gaatgattcc aatgatgatg gaaagtgtcg acttagcgct gattgcatgg gaatgctgtc 120
 cattaggcaa aagatagcaa tcttaaggct gcacggaata tctcgccaat gagatacttg 180
 attggtgatc gtagtacgta tgctagcgaa agtttg 216

<210> 9347
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220102a02d1

<400> 9347

cttggtttat actataggtc tcgccatta cctactctcc gttoccaaaga gcacgcacca 60

ggactattgc acttcttccct cgttctccct cttttttcttc ttcttcgcta aacccttttt 120
tctatctcac taacacaaca atgggagacg agaagaaggg caagcctgct gcttccggct 180
gtgtggtcca ccatcaagcc ttctgtcaat ggtggagcct ccggcatgct cgccacctgc 240
gtcattcaac ccatcgatat gatcaaggtg aggattcaac ttgcgcaagg atcagctgcg 300
caggtcactt ccaccatgct taagaatgac ggttttgctg ccttctataa gggcttatct 360
gctggattac tcaagcaggc tacatacacc actgcccgtc ttgggtcatt taaaattctt 420
gacggccaaa gctattgatg ctaaattgat 449

<210> 9348
<211> 504
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102a03a1
<400> 9348

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tccatacaga gtaataaaat tggcaaggac gtcaatggaa gatattctct ctcatatcat 120
aggctttcag tactgagtaa ggagtcaaag acaatatgca taaaggcttc cttggatcaa 180
aggaagcatg aaggtagaag aggatttctg aaattggtga atgtgggagt tggcttacct 240
gtattattag gaggtgggaa agcttatgct gatgaacaag gaccttcctc ctccagaatg 300
tcttattcta gatttcttga gtatttggat aagggtagag ttaaaaaagt ggatctgttt 360
gagaatggaa ccacggctgt tgtggaggct gtttctcctg agttgggtaa taggggtgcag 420
cgagtgcctg ttcaacttcc tggacttagc caagagcttc ttcagaaatt cagggaaaag 480
aacattgatt ntgcagctca taat 504

<210> 9349
<211> 361
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220102a03d1
<400> 9349

acaatgatac aatgagttaa tatcattact attcactaag gatacattat gtactaattg 60
 tgaagaaact tacatTTTTcc gttgccaaaca caagaaaaaac agaaattaag aagcaagcta 120
 tgatcttgac attactaaaa ttggagccag gggatatatta caaatatttc acaatttcag 180
 aaaattcagt aagtggaaag ctacactaca ttgcagtggc atataagcaa ttcaaacagc 240
 aactggagag ggagttgaat gagggacccg attttcagca ggaatttcaa catactcgga 300
 caggagagct tggaattcat cttcagacat tggctcaggc tgcaatagaa cttccacaat 360
 c 361

<210> 9350
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102a04a1
 <400> 9350

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 gagtgtcatt ccttctagct aaatctctct cttttggggg atggaattca acaagttcag 120
 aatcagaagc tatgaggggc aatctgatag ggctcaagtg gaagatcttg agagaagatg 180
 cgaggtaggg ccatcagaaa gcgtgtttct cttcacagac actatgggtg accccatttg 240
 taggatccgg aacagtccca tgtacatgat gctggtggca gagttggaca atgaattggg 300
 tgggtgtcatt caaggttcta taaaagtggg cacagttcat ggtcaccctc caaaggattt 360
 gcaaaggtgg ggtacgtcct tggcctaagg gtatcacctc agcacaggag aaaagggatt 420
 ggctcaagcc ttgtgagaac cactagagaa tggttcactt canaagatgt ggactatgca 480
 tacatg 486

<210> 9351
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102a04d1
 <400> 9351

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gttttggttg ttaattcatg gaacttgta atttgccct tcattttca acgcctttat 120
gcaccacaag tcttcgggc atgagagcca tttccaatgt gggatatggt ggttgagctc 180
atctcttctt ccaacttcag tcacaatgat cctgcaatta ctctcatgct tggactcagt 240
acccatggtg tgcacaaatt ggtacaaggc cctaactatc ttccctgaaa atggcccttc 300
atggtgcacc ccatacatga aatagaacct aaatgggttg aagaaatcac gtatggatgg 360
caatttcaaa catgggaaga tcctatgaac taaccaccaa cttttagagc ataccaagca 420
agaaaaaggt gctttcccta gccttaactt gaatatcttc ccactattgc atacactaag 480
cata 484

<210> 9352
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102a05a1

<400> 9352
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ctctctcaa tagccctttt ctcatgttgt tgcttagcag catctcaagc tcccaccacc 120
aatcacacc cctatatctt tccattaag aaagaccccg caacaaattt gtactacact 180
tcagttggca ttggaactcc taggcacaac ttgatttag tcattgatct ttctggtgaa 240
aacttatggt ccgatggtga cactcattac aactaatcat cctacagacc tatagcttgt 300
ggctcaaagc aatgccccga aattggatgt gtgggttgca atggcccttc caaaccaggt 360
tgcacaaaca atacatgcc tgctaataat atcaaccaat tagccaaatt catttacagt 420
ggtggcttan gtgaggattt catattcatt c 451

<210> 9353
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220102a06a1

<400> 9353

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aagcatgcat atggacatgg cattcgagc aaggaatctc ctgcagacag aattgatacc 120
tgagctgcag ccagtagtgc cacctgtcat acagcctaga gagatagaca tctctgactt 180
gccgccactg ctaccagtac catcaccacc aattaccctt cccatcccct aagcacttgg 240
atttggattc ataaataatc actcatctcc actctccatt ttcattcagt tccctgatgt 300
tattgttgct ttcaataagt gatctttttt cacatctgtc ttgttcaatt tcttctgata 360
cacatgcttg tggtcttttc aatcttccct tgcactatct catgtacctg gactagtgga 420
gaccagttgc tggtataata tatacaagct attctatct 459

<210> 9354
<211> 344
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220102a07a1
<400> 9354

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ggatactaca taaatgctca ctctgcacaa tctacgttga aaattgatcc ggtatatgat 180
attgcatcct gatgtctagg agaggggtctc tagaagccct aatgtgtaat ggccatgcca 240
accctaattct tacttgcgct actcataaag taatattcaa ttgtgcgct actgggatac 300
tcgactctac atcatgctca ccaacactga gtagattcag agat 344

<210> 9355
<211> 507
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102a08a1
<400> 9355

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gcaccacaag ggaagaaga ggaagatctt ccggcaagtg ttctggtgct tagtggtgtt 120
ccttttcacg gtgctggtca caattctttt gatatgggca atccttagac ccaccaaacc 180

cacaaatggc aaaagatgaa tcatgataga caactatgga agttaggaac actgccgcct 60
 ggtcttataa cattctggaa acgcactttc caactgcacc gatcttggca tgtgttgggt 120
 cttggctata accccaatat caaccaaaaa gaaattgaac gggctgctgt tatacactac 180
 aatggaaaca tgaaaccgtg gctggagata agtattccca agttccgagg ttattggaca 240
 aagtatgttg actacaatct tgtgtattta cgagaatgca acatcaatcc atagaaggat 300
 ctggtggcat gtgtagggca tgaaatttat ttaaagcttt tatgattatt ttttatacat 360
 tttctccct gtatggaaaa agatcccaag ccaaaatcaa gagtatg 407

<210> 9358
 <211> 189
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102a11a1
 <400> 9358

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 ttagtcagag tactaaggaa gtttatgttc ttggtacttt tggtttcaact ttttttcgta 120
 tctgaattgc tgtaggatgg attagcataa cttgttggat ttattagata tgcatttgcg 180
 gtttggatt 189

<210> 9359
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102a12a1
 <400> 9359

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 gcagcagggg cctagccgtc gccggagacg cactgagtct gagagcagcg gtgactaaat 120
 caggtttgtc aaagaggaaa aggagagtta cgattcaggt ttgaagcact aaatcaatca 180
 aaattgtagc aatgggtgag agcaagaaac gaaagagaca cagaaacaaa cgtggtggta 240
 aggaggagca accggttctt ccttctcctt gtgctaagcg cacaaagctg aaggaaccct 300
 cnttctttct tcanaagatg cgagcaaggt tgtctggtgg gcatttcagg atgattaatg 360

aaaagctcta cacttgcaact ggggaggagg cgctagatta tttcaaggaa gaaccttcgc 420
 tatttgatgt gtatcataca ggatacaaaa cacanatgtc aaattggcca gaacagccag 480
 taatggaatt ataagtggct gaaaaacaga gcctttct 518

<210> 9360
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102b01a1
 <400> 9360

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 accggtctcc aacaagcagt catcaccgcc atcaccgtct gcaattacaa aaaagacgaa 120
 ggcttgatcg aaggtacaga atgttcagtt tgcctcagcg agtttcaaga ggacgaaagt 180
 ctcaggcttt taccaaagtg taaccacgct tttcacttac cttgcattga cacgtggctt 240
 agatcgaca ccaattgccc catgtgtcgt gctcctattg tcaactgaccc aacaagggtt 300
 ccttcttcca tggaccctac tgcgtttgaa acaagttctt ttgtggagga gatttttgaa 360
 aatagtgcgg agaatactca aaatagtagt gatgatttgt tgaggggtga ggaagaggaa 420
 agagtgaag aagatgagcg tgtgaagaga acttggcttc tgaacttggt gtgactgtgc 480
 agcagccgag aagatcggtg tctctggatt cttcttc 517

<210> 9361
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102b01d1
 <400> 9361

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 acttgatcat cacatgacct acttcattaa ttcacacata aacccttgaa accctcacct 120
 tgttgacagt aaaaaaccca ctttaattgg ccagaaccag aaaaattatt aagttgtcca 180
 agatcattat gaaactcact taacctctat atgacatatt ggagtattat taattggaaa 240
 aaaaacttga ctatctgtta caaaaagatt gaacgagact atccaattgc aactatttct 300

cggcgagcaa ttctcgcaaa ggatggcctt actgctggat taggtgccca acactgctcc 360
 attagtgttt tccactcaag atcacaataa ctagggattg taggtcttaa tgtgttattc 420
 acaatgcctc ctatgattgc gccatagtgc atattagcat at 462

<210> 9364
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102b03a1
 <400> 9364

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 ggatcaactt tctcaccatg cttttggcca ttgttgtgat aatatttgga gtgtggatga 120
 acactcatta tgatggttgc cttaaagtctc tcaactgtgcc tgtaataggc ctcgagcag 180
 ttattttctt aatatctgtt gttggctttt tgggtgccct gaaaaacaac tccatactat 240
 tatggattta tctgatcacg ttgttctttg tcttgggtggg aattctggtc ttaacagtat 300
 tggagtcat cgtgactatc aatggatcgg gtcataatgt tactggactg aggtataagg 360
 aataccaact tcaagaattt agttctttgt tcttaaagag taaacaattc ttgaactggg 420
 aaa 423

<210> 9365
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102b04a1
 <400> 9365

ggactatcct tatgcttctg atgggctaga gatatgggat gctatcaagt cttgggtgga 60
 agaatatgtc tcattctact acaagtcaga tgaggaactt caaaaagacc ccgagcccca 120
 agcttggttg aaagaacttg tagaggtggg tcatggggat ttgaaggata agccatggtg 180
 gcaaaaagatg caaactcgtg aagagttggt tgaagcttcc gctaccctca tatggattgc 240
 ttcagctctt catgctgctg ttaacttttg acagtatcca tatggagggt taatcctgaa 300
 taggccaact attagcagga gattcatgcc tgagaaaggg tctcctgaat atgatgcgtt 360

agctaagaac cctgagaagg agtttttgaa gactattact ggcaagaaag agaccctcat 420
 tgaccttaca attatagaaa ttatatcaag gcacgcatct gatgagttct acctcgggca 480
 gagagatgcg gtgactactg ggactctgat tgccggccat tagaggcctt taagaggttg 540
 gaa 543

<210> 9366
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220102b04d1

<400> 9366
 agcagttgta gatggagcac gacgaatttg aagagccacc tcttgctgtt cagattcaag 60
 ggaatgatga atccgtttct cagcaatctt cttctgttgg ggtcactctc atcaccggtt 120
 atcttgatc gggcaagtcc actctagtga atcatatattt gaattcgcaa catgggaaga 180
 ggattgctgt cattttaaat gagtttggtg aggaaattgg cgtcgaaaga gcgatgatca 240
 atgaaggaga taagggtgca ttggttgaag aatgggttga gcttgccaat gcgtgtatat 300
 gttgcacagt caagcatagt ttggttcaag cacttgaaca acttggtcag agaaaggaaa 360
 ggcttgacca tatattgctg gaaaccactg gattggcaaa ccagctcctt tggcatctgt 420
 ctatgggttg atgaacagtt ggaatcagaa gtgaagctcg attctatagt cacggcggtg 480
 gatgcttaaa atttgc 496

<210> 9367
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102b05a1

<400> 9367
 atgaaaatgg gttcttcttt gtggactttg tgtctaattt tggcttcact agcctcttct 60
 gcattctgtg ctttccacg gaggccagtg gatgttccat tcggcagaaa ctacgttccc 120
 acttgggctt ttgatcacat taaatacttc aatggaggtt ctgagattca acttcatctt 180

gacaagtaca ctggtactgg cttccagtcc aaagggcat acttggttgg tcacttcagc 240
atgaacataa agatgggtcc tggcgattca gctggcacag tcaactgctt ttatttatct 300
tctcaaaatg cggagcacga tgagatagat tntgagttct tggggaacag aacaggacaa 360
ccttacattt tgcaaacaaa tgtgttcacc ggaggcaagg gtgacagaga gcaaagaatc 420
tttctctggt ttgatccaac ataagcatac cacagatact ctgtgctgtg gaacatgtat 480
canattgtgt tcttagtgga taacatccca ataggggtgt ctaaaccta aagg 534

<210> 9368
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102b06a1

<400> 9368

gccaccact aatttggtgg taggtggcag agttggacaa tgaattggtt ggtgtcattc 60
aagggtctat aaaagtggtc acagttcatg gtcaccctcc aaaggatttg gcaaagggtg 120
ggtacgtcct tggcctaagg gtatcacctc agcacaggag aaaagggtt ggctcaagcc 180
ttgtgagaac actagaagaa tggttcactt caaaagatgt ggactatgca tacatggcaa 240
cagagaaaga caaccatgcc tcagtgaagc tcttcatgga caagtttggc tacaccaagt 300
tcaggactcc agctattctt gtcaaccctg tgaaccatca ttgctttcaa atatcaccca 360
acattgagat agcaagggtg aagattgacc aagctgagta cctctataga agattcatgg 420
ggtccacaga ggtcttccct aatgacatan ggaatatact taggaacaag c 471

<210> 9369
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102b07a1

<400> 9369

gttaaactgt cgccattgtc tccaaagatt ttagtgtata ttgattgggtc tcagaagctt 60
ctggagaagt atgatactca tccacttgag actttgctg aagttctaaa atatggacct 120

gtaaccaaga aagctcgtag tgaacctctc tccttgtaca cctgcttgga agcttttctg 180
 cgtgaagaac ctctggtgcc cgaagatatg tggtagtgc ctaaagcaa agagagacga 240
 caagcaagca agaagcttga tttgtggaga ctcccagagg ttttggatcat tcatttgaag 300
 aggttttctc acagcaggtc aatgaagcat aaactggaga cttttgttaa ctttccatt 360
 catgattntg atttaaccaa ttacatagcc aacaaaaaca acactcggcg tcaactgtac 420
 gaactgtatg cccttacana tcattatggc agtatgggta gcgggcatta cacttgacat 480
 attaaagctt tagatg 496

<210> 9370
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102b08a1
 <400> 9370

ttgatccgtg agaacttaaa ctccagactcc taaaatagtt tgatcacttt cgcattgacc 60
 tgtaaccttt tctctccggt taccaaaacc gtaagttgct gaacatggac ccgcaatcgc 120
 cgggttcgggc ggaactggag cctccggttc cgacgttctc cccacgggtc gcgctcacat 180
 ccagttcgca gcggaaaatc gcgatcggcg tcgatctgag cgacgagagt gcctacgcgg 240
 tacgctgggc ggtgcagaac tacctgcgac cgggcgacgc cgtgatectc ctgcacgtgc 300
 gtcccacgag cgtcctctac ggcgcggact ggggctccgt ggatctgagc gcggcggagg 360
 acggcggcga cgaggagtcg cggcggaagc tggaggacga cttcgacaac ttcacggcga 420
 cgaaggcgag cgacctggcg cagccgctgg tggaggcgca gataccgttc aagatctaca 480
 ttgtgaagga ccacgaca 498

<210> 9371
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102b09a1
 <400> 9371

gaaaatgtaa ttgagtcact gtttgcagaa aaaggatggt ttatttaaca tatgcacatt 60

catagtcatt tcattcttga gtgatgacaa gataaaaata tagatgacgt ccaaggggtgc 120
 caccgggtgca gaaaacagcc aaagcattaa atacgggtgta atttacatca cattttgtca 180
 aaatcttttt tctacatttg ttgagcaa at gggttgtagg acttggtgta tatataaatt 240
 tagagcattt gtatataaga atgatgataa aaacttaaaa acattcattc tcctttgaaa 300
 gttgagaaag gagaattgag gaaatggcag gagggctctt cacaacaggc actgtgagca 360
 aggagagggc agagcagtag aaggggagag tcaactgctta tgtcatcatc tcttgcatg 420
 atgctgccac aggaggggct ctctatggct atgatattgg aatttcaggt ggggttacat 480
 ccatggatga ctttcttata gagtgcttcc cctcagtata cagacagaaa aagcatgcc 540
 atgaaaacaa ctaactgaag tatgacaatc 570

<210> 9372
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102b10a1

<400> 9372

ctccaaaacc caactttctc tctcaagaac catcaaactc cgatcctccc ctctccctgc 60
 aagatccggt ggtggttccg attgctcaca tagggtttgg tctcgggtcg gtcaaggctg 120
 gcgggtatctt ggggtgaagta aatggcggat ccggccggaa tccgggtccg tgagtgggtg 180
 aagcgtggtg ttgcggcggc ggcgttgata ggggttacagt gcgggtgacga ttgttgccaa 240
 caagagtga gcatgctgag cgtgctgcgc gtgcaccttc cttctgatat tcccattgta 300
 ggctgtgagc tcacgcctta cgtgctccta cgccgacctg ataagaccgt taccaccgat 360
 gatttcccg aaaccgnccc gttagacggc catctcttgc gtacaagtgg tatcgtgtac 420
 agagtataa aaggttgctg gttgtagtgt acatccttct gaggc 464

<210> 9373
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102b11a1

<400> 9373

gtgaaagaaa gaaaaaaaca ccatgatacct aatctactac ctctcggagc acccggctat 60
 cgtgggcttc cggtggagcc acgccaatc atggggagcc acctggctct tcctcttcac 120
 ctcaatcgcc tcctacctct tcctctcaat cctcctccac ctctctcttt ctctctctt 180
 ccgccgccgt caaatccctc ttggccatt cccgcgcgtc cacagcctct ccgcgacacg 240
 cggtggttct ggccgcgtc caaaaccccc ttacagtggc tcctctgctt cccctcggc 300
 acgcgcccct cggggcgcggt gttcttctgg tcctacgtct actacctctc ccacttctc 360
 cacatgttcc gcactctctt cacaatcgta cgccaccgca ggctatcctt ttttcatctg 420
 cttagccact caatctccgc cttcgctctc tttctctggc tcgagttctc gcagtccttc 480
 caggtaatga gtataaacat ctactagaat atatntgatg atattctata ctcanagatt 540
 aatttgtatt ctcatggtat gacttattca tcattatcag gttcta 586

<210> 9374

<211> 570

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220102b12a1

<400> 9374

aagacgataa caaatggcat catctcagtc gaggaagaga gttgacgcgc tcgattctcg 60
 cgctgcttcc gttctcgctc gcgcaaaga tggcagtgtt tttgctcggt gcgacgattg 120
 caagaagaat gtgccggttg cactcatcga catgcacagt tgcagccttg aagctaaaat 180
 taaaatgaac ctagacgctc aagttgtgga acaggctgct gaagctaaga agccggagag 240
 gaagaagccc aaatctaaag agcctatggc aaaaaagct aaagttggga aggggaagaa 300
 agtcaaggat cctaacatgc ctaagcgtcc tcccacagct ttctttgtct tcttgatga 360
 ttttagaaaa tctttcaaag aagctaatac tgattctaag gatgttaaaa gggttggtaa 420
 agaggctggt gaaaagtgga ggtctatgac tgatgaagag aagaagccat atcttgacaa 480
 agtngctgag cttaaggaag agtacgagaa agctatggaa agctatgaag ctggtcaaga 540
 tgaagaagat caactgtgtc tgataaggaa 570

<210> 9375
 <211> 528
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102c01a1

<400> 9375

gtttacgtga agtcacagaa atcaaaagcc tacttcaaga ggtatcaagt caagttcaag 60
 agaagaagag agggaaaaaac cgattaccgt gccaggattc gggtgattaa tcaggacaag 120
 aacaaatata acaccccgaa atatcgcttt gttgttcggt tcagcaacaa agacattggt 180
 gcacaaataa tatctgctag cattgctggc gatattgttc ttgctgcagc atatgcacat 240
 gagctgccac gatatggtct tgaagtaggg cttacaaatt atgctgcagc ttattgtact 300
 ggtctcctgt tggcccgaag agtcctcaaa acacttgaaa tggatgagga gtacgaagga 360
 aatggtgagg ctactggaga ggactattca gtggaacctg ctgagagcag gaggccattc 420
 cgtgctctcc ttgatgttgg tcttattagg actacaactg gcaaccgtgt cnttgggtgcc 480
 cttaaggag ctctggatgg ggggttgat attcctcata gtgaccag 528

<210> 9376
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220102c01d1

<400> 9376

cgtaaacta aacaacttcc tgatagaaac aaagcgtata tcataaaata aggtaagaca 60
 tcaattcatg ttgacacgaa attgaccaa aatacggctt actcaacttc aaaaagtatc 120
 caaaattttg gacctagaaa ataaacagca catgtaaata aaatgattga ctgaacgcaa 180
 aataagagag ttttagttgt gcaacgatga catggaatct gcaatgaact ttcactcatc 240
 atcttcatca ttatcagcag cagagttgat agcgcgcaca cgagcaatca acttagcctt 300
 cctctcctca taagttagtt tcttcagatt gtacctcttg agttccttcg ggggctgctt 360
 ctcagatttc ttgagagaag gatcagcacg gatggcagca tgaaccttct tgtaca 416

<210> 9377

<211> 540
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220102c02a1

 <400> 9377

 acgaaaacga cttcggctgg ggcagacccg ttgcgattcg gagtgggaaa gcgaacaagt 60
 tcgacggaaa gatctccgcg tttccgggga gagaggga cggcagcgtc gatttggagg 120
 tcgttttggc cccggcgacc atggcggggc tcgaaaacga catggagttt atgcaatacg 180
 taacgcaatt cgtttgaata agtttgttca tgaagtttcg gcacagtagt agtgatagtg 240
 aaactgggag gagggaggga gtgaaaaaaa aattataagt cggatgatgaa acgacgggga 300
 aggtgggtgg ggtgattgca cgacaatagt accatggggt gtgggcgtcg ttttgtgtca 360
 gtcaaaggtc aaaccgttcg ggagtggggt ctctttttta ggctgtgttt gagtgtttcg 420
 gtggttggcc caaatgatat aatggttttt ctgtacgtga ttcccgggag ggttttcagt 480
 cttcactttt caggtgaccc aatacaggac gaaataataa tatggatgat gatgatgatg 540

<210> 9378
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220102c02d1

 <400> 9378

 ttatcgtttg ttctttcttt tttttttaat cagcctatgg cggcttcaac atacttaact 60
 gttgtttacc aaagctcaaa gctcgtcatc atcagcaacc agtaggatca tgaaagacct 120
 gtcttcggga acaggcatag cgctgacgga tcaacatgac cggtgtaacc gacagtagag 180
 ccggtggatc attcggggcca taccaccgcg acattgagac agagtctata atagagacct 240
 gattctgcta acgaagaacc gttggctgac acaaaacgac ggatcacata tccagtggct 300
 atgggcgagc atcatgtcag atgttactgc cggtgtaaca tacacgacat gatcacacct 360
 ggcaccgtga tctttt 375

<210> 9379
 <211> 430
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102c03a1

<400> 9379

ctcgggaattc ggctcgagcc gagaagctct ccgctctcaa atccgccgtc gccggattga 60
acgaaatcag tgagagttag aagaacggat tcatcagcct cgtcagccgc tatctcagt 120
gcgaagcgca gcatgtggaa tggagcaaga tccagacgcc tacggacgaa gtgggttgtc 180
cttacgacac tttggcgcca actcctgatg gttcttcgga cgtgaagaat ctattggaca 240
agcttgtggt gttgaagcta aatggaggct tgggcacaac tatgggttgc actggctcta 300
aatctgtaat tgaagttcgt gatgggttga catttctaga tttaattgcg atccagattg 360
agaatctcaa tttcaaatat ggaagcaatg ttcctttggc tctgatgaat tcattcacca 420
ctcatgatga 430

<210> 9380

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102c03d1

<400> 9380

ctggctatat cgaagctctg acgcggaatt cagcctacg tcacgctgct aattagtctc 60
gaggctcgcc ctgaccgatt cttcttttta attacaatac acaagattat actaaatcgc 120
attaaggggc agaacatagc gatcttttta ggtgggtcat tatcggttc gatggcaatc 180
gaaaaggac tcttcggtct tatgcattgt aactggtgaa ttctatatga tgtttgaaca 240
acattattgc attgacagtg ctttcagtgg aacactt 277

<210> 9381

<211> 504

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220102c04a1

<400> 9381

ttttcgagac tctgtttact gtcgttcaga ttcgcattga agcaataagc aatggtaact 60

gcagcatgtc agtcaggacg tgtgagtttc aaacatcctt cttctcattt ccacttacct 120
 caatgtccat ccttggttga cttgtgcac cgcaaaatca ctcacactct gactcgggag 180
 gacatacata aatataacac tttttctgca ctcccaccgg acttgagtca gcgaattttc 240
 aacaatatgg tttactcctc ctatctcaca cctgcttccc tccaaccctt tcgagattct 300
 gccctccagg atatttgctt gggagaatat gaatatgcaa atgggtggtgg tgctgctgct 360
 gcaattgtgg atgatgcctg gatggatgac atctcatcac agggatcctc tntacttcat 420
 ctagatctct tctgcctctg atgtcactga tcattgtctc acctttcttg gacattgcac 480
 aaatatcatc tctttaaatc ttaa 504

<210> 9382
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102c05a1
 <400> 9382

ctcttttctc ttctcccttt ttctctctgt ctctctctct cggctctgct cttcttctca 60
 tcaagcacag agttacagac tcaccgatct tccgattctc tttcgtcttg gtttatgagc 120
 tcgaaggaga gaccactct tgggtggcacg cggattaaga cccgcaaacg aaatattgct 180
 gcgcccgtgg accctgcagc attctcggat gcagtgggcc agatttattt ggataatgct 240
 ggtgatctgg aacttattgc taagagtatt gaatcttcag accttaactt ttcaagatac 300
 ggtgacacct tttttgaggt tgctttcact gggggtcgta cacaacctgg aactaccaag 360
 cctgatgagg gggaccggca ccatactct ataataagat gtgagcctaa gcgtgaagtc 420
 attttaccat ctggaatcta catacaaaag attttgcggc gaaggccatt tctcatcaag 480
 aaccttgaaa atgttatg 498

<210> 9383
 <211> 197
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102c06a1
 <400> 9383

tcgcgagcgg cgcgcctttt tttttttttt ttttgaagaa aaacaaaaac tatttataaa 60
 aggtttcata cattacatag aacaaagaat gccgggatat acaatccaac aaaacctatg 120
 acaagttttc acctacaatt gataaagaat ctattgatat acaaccgtga aaaaaaaaaa 180
 taagaatata atataag 197

<210> 9384
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102c07a1
 <400> 9384

gaagacgctt ttgtttctag ggacattcat ctcttacaga tatgtagtgg gattgatgag 60
 aatgctgtgg gggcttggtc agagctcgta tttgctccaa ttgatgaaat gttccctgat 120
 gatgctccat tggttccttc tggtttcgcg attatcccat tagattcaaa accagggtgac 180
 aaaaaggatg ctgttgctac aaatcggacc ctggatttga catctgggtt tgaagttggt 240
 cctgcaacaa ctgctggtgc agatgcatca tcaagtcaaa aactcgcgac ggtgttgact 300
 attgccttcc agttcccttt tgacagcagt ctgcaagaca acgtcgcggt catggcacgc 360
 caatatgtcc gcagtgtgat ttctccgtg cagaggggtg ccatggctaa tatctccatc 420
 tggataaac ccatcaattg gagctaaact ttctcctggt tctccagagg ctgttacact 480
 agctcactgg atctgccaaa gtatagtta 509

<210> 9385
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102c08a1
 <400> 9385

ctttcacgag ggcatttggg agtgctatgt ttttttctg ctttcgtatg acaagtgtat 60
 aattctcctg aataccagc agaagctatc aacaaaagcc acaccatgtc tggaccctg 120
 tctccaaaga catctcttga aaagagtgc cgtgttggtt cattgaagaa aatgctgagg 180
 aattctctaa caaggagtaa gaggcgaagc agcagcaagg tcatgtcggg tgaatcgcg 240

gatatccgcg atgctgaaga gtccaaagct gttgatgagt tccgtcaagc tcttgtcttg 300
gacgagctac tccctgagaa gcacgatgac tatcacatgt tgcttagatt cttgaaggcc 360
aggaaatttg accttgagaa atctaagcaa atgtggtctg acatgcttca atggaggaag 420
gaatttggtg ctgacaccat cactgaggat tttgaattca aggaactcga tgaagtcctg 480
caatattatc ctcaaggaca tcatggagtt gataaagatg gactgaccaa ttacattgag 540
aga 543

<210> 9386
<211> 519
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102c09a1
<400> 9386

gaaacagtgt gatgaaaatg aaggtccttg ttttcttcgt tgctacaatt ttggtagcat 60
ggcaatgcc a tgctacgat atgttcctc tccgaatgaa cactggctat ggtgcccgt a 120
ctccggaggt gaaatgcgca agttggaggc ttgctgtgga agcacacaac atctttggct 180
ttgagaccat tctgaagag tgcttgaag caacaaagga atacatccat ggcgaacaat 240
atagatcaga ctccaaaaca gttaaccaac aagcttactt ttatgccaga gacctcgaag 300
tccatcccaa ggacacattt gtgttcagta tagatggcac cgtactctct aatattccat 360
actacaaaaa acatggatat ggggtggaga aatttaactc gaccttgat gatgaatggg 420
ttaacaaggg caatgcaccg gcactgcccg agactcttaa gaattacaac angctggtgt 480
ctcttggett caagattata ttctggtcag gaagaacac 519

<210> 9387
<211> 493
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102c10a1
<400> 9387

atacagacca acctttgcaa atccaaatcc ctggattatc cacaattaca gccgatgatt 60

002320"ET"1E550

ttccaaacga atgcaaagac cccttgagtt acgcttgcca agtcttcctt cagatagcgg 120
 aaaccatgat ggggtggtgcc gggattatag taaacacatt tgaagccatt gaagaagaag 180
 ccatcagagc gttaagttag gatgagacag taccaccacc cttgttttgt gtcggacccg 240
 tgatttctgc accgtatgga gaagaagaca aagggtgtct gagttggcta aacttgcaac 300
 cgagtcagag cgtcgtgttg ctgtgtttcg gaagcatggn aaggttctcg agggctcagt 360
 tgaaggagat agcttttggg ttggagaaga gtgacaaagg ttcttgtggg ttgtgaagac 420
 cgagttgggt ggtgctgatg actcggcgga ggaactgagt ctggacgagt tgctgccaga 480
 gggttttttg aga 493

<210> 9388
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102c11a1
 <400> 9388

ctcaccctcc tcttcacaca ttttctgtgc gctctaacaac acattctcgt tcacactttc 60
 agattgtgtg aagatggggg cgggtggccg aactgatgtt cctcctgccac acaggaagtc 120
 agaggttgac cctttgaagc ggggtgccatt tgaaaaacct ccatttagtc tcagccaaat 180
 caagaaggtc attccacctc actgtttcca gcgttctgtt ttccgctcat tctcctatgt 240
 tgtttacgac ctcccatag ccttctgcct ctattatgtt gccaccatt acttccacct 300
 ccttcccagc cctctctctt tcttggcatg gccaatctac tgnctgtcc aaggttgcac 360
 ccttctgga gtttgggtca ttgcctatga gtgtggccac catgcattca gtgactacca 420
 gttgcttgat gatattgttg gccttgcct tcaactcggg ctcttagtcc catacttttc 480
 atggaaatac agccatcgnc gtcaccactt caacactggt tctcttgagc gggat 535

<210> 9389
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102c12a1

<400> 9389

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agattgtgtg aagatggggg cgggtggccg aactgatgtt cctcctgcc aacaggaagtc 120
agaggttgac cctttgaagc ggggtgccatt tgaaaaacct ccatttagtc tcagccaaat 180
caagaaggtc attccacctc actgtttcca gcgttctgtt ttccgctcat tctcctatgt 240
tgtttacgac ctaccatag cttctgcct ctattatgtt gccaccatt acttccacct 300
ccttcccagc cctctctctt tcttggcatg gccaatctac tgggctgtcc aaggttgcat 360
ccttactgga gtttgggtca ttgccatga gtgtggccac catgcattca gtgactacca 420
gttgcttgat gatattgntg gccttggcct tcactccggt ctccatagtc catacttttc 480
at 482
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<210> 9390

<211> 538

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220102d01a1

<400> 9390

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cagaaaacca ggcctaaacc ttctcctcct atctccttct ctgcaaacc aatcagagtg 60
acaacaacct agtgcggttc caatcaaaca aagatgggta atgcaaaaac cgaggtagcc 120
cataagagtg tccttagtat caagcaagat gacaagttct tctgcaggct tctttcaaag 180
gaaagctcca tggccaaccc ttctttcaga atagcccttg ctgtgccatt tgtgtgggaa 240
tctgagccag gcaccccaaa acacagggtc tctgaggaca cactccctcc tttaactcct 300
ccaccttctt accatcttag caatatcaat agctacaaga agaaagagaa gaagcactca 360
tcaaagtcca gtctcttgct cacaatgcta ccaaagatga acctcatcaa gaaaatgatt 420
ctctcatcnn catcatcata ccttctctcg tggccctcat cttcttcaag ctcttcaaa 480
gttgctccta tngngaagtt tggcaagaag aagctcttaa gctatgatca tgtatgat 538
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<210> 9391

<211> 491

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220102d01d1

<400> 9391

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acaataaaaa ccacatttct tgcttaatat gaggttacat aaaagtaatg tacctcagtt 60
ctcatatggc acattctaag cacacaaaaa aaaggaacta tgatcatttc aaactgcaca 120
aaatgtttta gatacactca caccagaaaa tatgaccttg gaagcaagct tgtaatttga 180
gaggacaaaa ctctcaagac caattctagc atagaaaata gattgtcctc taagcatgaa 240
gaagagtatt agctagctag aaaaatttac aaagaaatac tatataagca gcacattgtc 300
cactccagat ccaaggccaa gcaatctaac aggtcttatt accttaagaa ctttagaatc 360
cactgtctta actgcagggtg gcacggggaa cgctaaagca caatttgga gaggggtgaat 420
tagcaccacc accacattct tcacaatctc ccttgaaatc attacatgat ccatagctta 480
agagcttctt c 491
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<210> 9392

<211> 519

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220102d02a1

<400> 9392

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tgatattctg cttgatgccg cagtatatgc tgagactgat tacttgaggg gagtcactga 60
aaacataatg ttaggtcaac ttgccccat tggcactggc gaatgtgcct tgtatcttaa 120
tgatgaaatg ctgaaaaatg ccattgagct ccaattgcct agttatatgg atggtcttga 180
ttttggtatg actcctgccc gttccccaat atctggaact ccatatcatg aaggcttgat 240
gtctcccagt tatttgatga gcccaaattt acggctctct ccaactagcg atgcacagtt 300
ttcaccttat gttggtggga tggcattttc tcctacttca tctgctgggt acagcccatc 360
atccccaggc tatagtcctt catcaccggt gtacagtccc acttcaccg gatacagtc 420
cacgtacccc gggtagagtc ccacgtcacc tgcgtacagt cccacctctg cgacttatag 480
tcctagctct ctgggatata gtccacaag tncagctta 519
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<210> 9393
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102d02d1
 <400> 9393

attgcaaattg tatcttttta taggggccaa tatcatccgt caaaacttta catgcccattg 60
 tggataaat gttttcaaga ggatgacca tcacaacaca ggctcaaaa aaggttcaag 120
 ttcaaagcga aatttgaatt cataacttga caaactgggtc cgaaaacatt ggtaacagag 180
 actcaaattga tccggatgat taatacaattg caaactaata gccctcgaac agctcaaggg 240
 gtgatcccag catagcataa ggctctgtc cagcctaaag ttgacctcag cgagggccta 300
 catcatcctt cgcactagtt tgtggagtgt accgcctgggt taaaaattga gagtaaccag 360
 gttgacttgg ggacgaaccc ggactgggac taaattgggg cgaacttggg ctatagactg 420
 ggctcacacc agaattataa ggg 443

<210> 9394
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102d03a1
 <400> 9394

cagaatcgtc atcctcaaaa tttatgatta tttttcttt ctctacttcg tcaactacctc 60
 tttctcatga gagagtatgt tactgcgcaa agaacaacaa actaattagg tactgaccat 120
 ttccgtctat atataaggcc aataacccaa cacgttctat aaacatatag tgactaacct 180
 cccactgaag agtaattggg ggattccagc aatggccgtg gttcatggca gttgggtcaa 240
 gcttgatcaa agaggagaag ggcaaggagc gagaagctca catgctatag ccatagtagc 300
 acagaagggtg tatgcatttg gtggcgaatt cgtgccacgt gtccccgttg ataacaaact 360
 tcacgtgttc gacctagaga ctntgacttg gtccgtggct gatgcatcag gggatgcccc 420
 accgncacgt gtcggtgtca caatggccgt agtgggagaa accatatatg tctttggtgg 480
 aagaganntg tgacacaaag a 501

<210> 9395
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220102d03d1

<400> 9395

gagaattgat cacacactta ataatatatt ccagtacaaa agcacaagta cattcacaag 60
 ctacatacaa tcagtataaa agattcccta attcccatgc cattgtcctc tgacagggtg 120
 ataaatctag ttgtaattca tcatatcatc taattgagaa ttaagcacac acttcctaatt 180
 ttgtttcact acgcaagaac attcacaagc tactaaattg accatcaacg attcataagt 240
 tctcatgtca ttgccactc attgacatca tagacacatt tagaatccat catagattat 300
 gcgaccatat catactattg caccaaccct tgagaaagag caaggaagaa gatgtcatcc 360
 agcctattat tactaggaga gttgccagca tacagcaaca a 401

<210> 9396
 <211> 312
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220102d04a1

<400> 9396

gcatttagaa caggtatagc cgcgcgattg tgatgtcaaa accgtgggag atactctgct 60
 acgtactcta attcgtactg cgcaatgcca atcattatag cgaacccttg cccgggttaca 120
 ctgacaaccc ctaccgacaa caatgactac cctgttcagg ctaaccataa cacatcccta 180
 caccacaccg caccagatcc aatacctgac aactgagacg acgccgacgg cgacactttc 240
 gactgatata ccttaaattc cccgacgccc gagtctggaa acgacgcttc gctctccaaa 300
 tttcaaaaca aa 312

<210> 9397
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220102d05a1

<400> 9397

tttaaacttg gcagaataac caccatagtt atctcctctc ctcaagtagc caaagaagta 60
ctacttgaaa atggtcaagt cctttctagc agaacaattc cacattcagt ccatgcactt 120
gaccatcaca tatactctac tgtgtggctg ccaccatcag ctcaatggag gaaccttagg 180
cgagtttgtg caacaaaaat attctgtcca caattgcttg actccactca aatccttcgc 240
caacaaaagg ttaaagattt attggatttt gtgaaagaac gatgcaagaa aggtgggagc 300
tgtggatatt gcagaagggt gtctttacaa caatccttaa ttccatttca accactttct 360
tctctatgga tttgctgat tctacatctg aaaagtctca tgagtccatg aacattattc 420
gaggcataat ggacgaaatt ggtaggccta atgttgcaga cttgtttccc attcttcg 478

<210> 9398

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102d06a1

<400> 9398

cctttacat accattacaa taattatcaa acctaaccag ctaaaatggt gaccgtggag 60
gaaatccgca acgctcagcg ttcccatgga cccgccacca tcttggcctt cggcaccgcc 120
acgccgtcca actgcgtctc ccaagccgat taccctgact actacttccg cattaccaac 180
agcgaacaca tgactgatct caaagaaaag ttcaagcgca tgtgtgaaaa gtccatgata 240
aagaagcgat gcatgcacct gacggaggag tttctgaaag agaaccggaa catgtgagag 300
tacatggcgc catcgctgga cgtgagacaa gacgtagtgg tgatggaagt gccgaagctg 360
ggaaaacaag ccgcaacgaa agcgattaac gagtggggtc aaccaaagtc aaagatcaca 420
caccttgagt tctgcaccac ttcaggcgtg gacatgcacc gagcagatta ccagctcacg 480
aagcttctc 489

<210> 9399

<211> 522

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102d07a1

<400> 9399

atttcttacc tcttggcatg gccattcaaa tgtcttcttt tgtctttggt tctcttaciaa 60
 ttttattttg cttctcttcc ttggagaaga gttttgcctt tcaaacaaca aaggaggaca 120
 cagaaagcaa caatcttcat caatatactc atcttgttca cctcagctca ctcttctctt 180
 catcttctctg cagctcttct gccaaaggtc ccaaaagaaa agcatcatta gaagtggtag 240
 acaaacatgg gccatgctcc caactgaata atcatgatgg caaagcaaag tctaaaacac 300
 cacacagtga gattctgaac caagacaaag aaagggttaa gtacattaac tcaaggatct 360
 caaagaactt gggccaagat agtagtgtga gtgaattgga cttagttaca ctaccagcca 420
 agtctggtag ccttattggg tctgggaatt actttgtgga tgttggtctt ggaacaccca 480
 agagggactt gtcactcatc ttgacactt gcagtgatct ca 522

<210> 9400

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102d08a1

<400> 9400

gcaacacgta tcaactgtgtt tggaaagttg taaggagctt ttaggcaggc atcgtggagc 60
 ccttttgggt ctcaatcatg ttttgggcag aacaattcaa gtagcaatcc ttttgcctctt 120
 aagccatttg gtagtacaac tccatttggc tcgccaattg attttggagg ttcttccact 180
 ggagttgctc aactgtcttc tccattogct tcaaatacag cattcagttc ttcacgtcga 240
 ccagcttcag tagttcagtt cctctttttt ggtcatcttc aactcctgat tttggtagtt 300
 catcgtcatc atttgggtga tcatcagttt ttggtcagca gcctgctttt ggaggctctg 360
 aatctacttc tactcaaaca ggaccatttg gtgccacca gccatcacia ctagcatttg 420
 gaaacagcat atttgggttc tcaacatctt ttgg-gcatc atctcaacca gcatttgggg 480
 cttcaagaac attgcatttg gcacttcaag cactccattt gggacctcta gtac 534

<210> 9401

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102d09a1

<400> 9401

cgcaagcaaa aagaaagaat cccagggcag gagaaagatg gaggggaagg agcaggatgt 60
 gtcgttgga gcaacaagt tccccgagag acagccgatt gggacggcgg cgcagagcca 120
 agacgacggc aaggactacc aggagccggc gccggcgccg ctgggtgacc cgacggagtt 180
 tacgtcatgg tcgttttaca gagcagggat agcagagttt gtggccactt ttctgtttct 240
 ctacatcacc gtcttaaccg ttatgggagt cgccggggct aagtctaagt gtagtaccgt 300
 tgggattcaa ggaatcgctt gggccttcgg tggcatgac ttcgccctcg tttactgcac 360
 cgctggcatc tcagggggac acataaaccg ggcggtgaca tttgggctgt ttttggcagg 420
 aagttgtcgt tgcccagggc gattntctac atcgtgatgc aatgcttggg tgctatttgt 480

<210> 9402

<211> 519

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220102d10a1

<400> 9402

aaagaaatcc actggtgttg tgcagtttga cacaacccaa aatcgatttt tggctgctgg 60
 tgaagatggc caaatcaaat tttgggatat ggacaacatt aatcttttaa caagcactga 120
 tgcaaagggg ggactacaga cccttcaca cttgagattc aacaaggaag gaaatcttct 180
 tgctgttact actgcagaca agggattcaa aattcttgct aatgctaata gtcttagatc 240
 cttgagaaca gttgaaactc caggatttga agcattgagg tcaccaattg aatctgctgc 300
 agtcaaggca tctggctctt ctgctgttaa tgtagtcct gtcaactgta aagtagaaaa 360
 gagctcacct gtcgggcctt ctccaattct taatggagtc gataccacag gtcaaaatgc 420
 ggagaaacct agaactgtag aagatggagt agatagagct aaaccatggc agctgtctga 480
 aatgtgggat gctgtcaatg tcngtaagta ccatgcctg 519

<210> 9403

<211> 531

<212> DNA

002220102d11a1

<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102d11a1

<400> 9403

gagaatggct cccaaggggt taacctttct ggctgtgtta atatgcgttt cagcactgtc 60
actgagtcct tctgttgccg gggaagggca aaataatggc cttgttatga acttctacaa 120
ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180
ccacaagaac actgctttct cctggctcag gaacatcttc catgactgtg ctgttcagag 240
ttgtgatgct tcaactgttg tggactccac aagaaggagc ttgtctgaga aggaaacaga 300
tagaagcttt ggggttgagaa atttcaggta cattgagacc atcaaagaag ctttggaag 360
agaantgccc tggagttgtt catgtgctga taccctcgtt ctctctgcca gagatggcat 420
tttttcgctg gaagtcccca tatccctctt aagactggaa gaaggatggt agaaggagca 480
gagctgatgt ggttgagcag ttccttccag accacaatga gtccatttct g 531

<210> 9404
<211> 457
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220102d12a1

<400> 9404

cattagccat tggctaaaca ctcatgcggt tgtggagcca ttcgtcatag cgacaaacag 60
gcattctgagc gtgggttcacc ctatttaciaa acttctgttt cctcactatc gtgacaccat 120
gaacattaat tcacttgccc gcaaatectt ggtcaatgcc gacggtatta tagagaaaac 180
attcttgtgg ggtaggtact ctatggaaat gtctgctgtt atttacaagg attgggtttt 240
caccgatcaa gcattgccta atgatcttgt caagagagga gttgctgtta aggatccatc 300
tgcttcccat ggagttcgac ttttgatcga cgactatcct tatgcttctg atgggctaga 360
gatatgggat gctatcaagt cttgggtaga agaatatgtc tcattctact acaagtcaga 420
tgaggaactt caaaaagacc ccgagctcca agcttgg 457

<210> 9405
<211> 472

00220102e01a1

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220102e01a1

<400> 9405

cgaagaagaa gccacagaga actagtctcc tactctcacc cgcaagaaaa aaatggcatc 60
tcacatcggt ggataccccc gtatgggtcc caagagagag ctcaagttcg ctctcgagtc 120
tttctgggat ggcaagagca gcgccgagga tttgcagaag gtgtcttctg atctcagggc 180
atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca acactttctc 240
tcactatgac caggttctcg acgccaccgc caccctcggt gccgttccac caaggtacgg 300
ctggaccggc ggcgagattg ggtttgatac ctacttctcc atggccagag gtaatgctac 360
cgtgccagct atggagatac caagtgggtc gacaccaact accactttat tgtccctgaa 420
ttgggccctg atgtgaactt cacctatgct tctcacaggc tgttgatgaa ta 472

<210> 9406
<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220102e01d1

<400> 9406

gcacaaaact ggtaaaattc cagatcaata aggattgcgg cgaagccgca aagatacaac 60
attcattagg gaaaacagga gtggggaaaa ataagggggg aggggttgag gaagaatcaa 120
ttgcttacag agcatgctaa gacacctaac tatttcacac acagttattg aaacaacca 180
atatagagaa aatttttcta cgggtgtatta taatataaag cagagccaaa tgactaggaa 240
gattctactt tcttatacca ttcacttggc aagtttcgtg cggatgagtg ttgctgcggc 300
aaccatgtct gtgagggtg gcttcaccta agtgtactta cgggtcttga gccacagtc 360
agggttcagc cacaggatgt gcttttacga gca 393

<210> 9407
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220102e02a1

<400> 9407

cgcacgggtg cgtagtgcgt accccagcag gaaatggatt acactaggat acagaagtaa 60
 tctgttatcg ttattccttc caccctgccc ggtggaacca aacgaagaag acgttccggtt 120
 ttccctctgc ttttccaagt tttcatcgac tcaaccatgc tattcttaca taactagggt 180
 taggagttag ggcgttctta tcgttttcgc tccgttaatt acaacaacgg ccaacatggg 240
 tgttctttcg ctttcacctc ccagcctctc taccgctttc ctgcgaaaga aactgtctcc 300
 ccaagaacac gcggtgaagc tagcgacctt tcgcaacaat tcatttcgca ttagatgcgc 360
 ggtggatagc ccctatggag gggaatgttc aaaaattccc tcgaccaatg tttgggatcc 420
 ttaccgacgc cttgggtatta gccctgatgc ctctgaagaa gaaatctggn gatcaagaaa 480
 ttntctgggtg caacaatact ctgggcatga aaggagtga gaatcaatag a 531

<210> 9408

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102e02d1

<400> 9408

gcttgcatga tccgtttgtg ttttcgattt gctacatata ggattgggtct cgggtcggtc 60
 aatgctggca ggtatacggg tgaaggcaat ggcggatccg gccggaatcc ggctccgtga 120
 gtggtgcaag caggggtgatg cggccgcggc gttgacaggg tcacagtgcg gcgaaaactg 180
 ctgccaaaca gactgaagca tgctgagcgt gctgcgcgag caccttgctt ctgatatac 240
 caacgtacgc tgcgagctta cgccttacgt gtaacgacgc cgac 284

<210> 9409

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220102e03a1

<400> 9409

aaaaataaca attaaccaca cgactcacga ccagtaacc gggttctgca aatttcgcca 60

cttgcagatg aaaagtcca aactttccac tccaatcccc ggtaaatacc taacccttg 120
 ttcctttcac tgtaagcatt cctcaatttg acaattttct cctctctcca caaaatgatg 180
 tgtgtgccac tttctctctc ctcaattggg gtgtgaaagt ttccaccttt ttctttcttt 240
 ctttctttct ttctttccat tatctatgtt agttttgcat tgtttgttgt ttggcttgca 300
 atcttggtgc atgctggtgt tgggtgttgt gtcccaattc actctcaaata ttcacgggtc 360
 ttagaactac taggaccttg ccaccacat ggctgccaaa aaggcatgtg agacattctc 420
 aaagtcattg attgaggatg tgaatagatg gngttgcttg aagcagacag gtgtgagtct 480
 caggtacatg atggaattc 499

<210> 9410
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220102e03d1
 <400> 9410

agctactagt ctgaggccga cctttttatt tttttttttg aaggccaata aggggggtca 60
 tcaccatgca caatgtttgg taccacatat ttacaggaaa tttgtctaata gattagaatg 120
 tgaaaaattg acagcagata gttctttgtg tgaattatgc tatcaatggg gttgtaccta 180
 gcataatgga actgagctac ttacgggaac tgactgaaaa gtactttcaa ggccaaggct 240
 gttgcgaatg ttccaaacga gacagatgga tatttgcatg actgccatat cctttcatag 300
 aggatattcg aagagcacgt tcaaagtacc gagcatatat actact 346

<210> 9411
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102e04a1
 <400> 9411

attcggctcg aggaaggctg ccaacctttt gatggatgaa aattgtgtac aatgtttcct 60
 ttatctgttg tttcttaaaa gtataatctg atgcaatgct tcttctgctc ctccccccct 120

caatgactaa cataatatag cacatgtgtg gctaaataca gtgaattcta taaactgggc 180
 atacagaact gaaagtagta catttggtcc attgcagact gtaaagggtcg ctgatttttg 240
 ggttgctaga gttaaagctc aatctggcgt catgactgca gaaactggaa catatcgatg 300
 gatggctcct gaggttatag aacacaagcc gtatgatcac aaggctgatg tatttagttt 360
 tggaattggt ttatgggagt tgctcaccgg aaagcttcca tacgaatatt taaccccact 420
 acaggcagct ataggagtgg ttcaaagggt ttgcgaccca ccatcccgaa aacactcatn 480
 caaagttgtg gagcttcttg ag 502

<210> 9412
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102e05a1

<400> 9412
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 aaacactttc tttttctctc ttttcaagct ctctcccttc ttctatacga tacgaagttt 120
 cctctatctt ctcttctctg agggtagctt tgattcattg aagggtttttc cttcaccaac 180
 tttccagagg aagaaagtga cttgatttct gggcctgctc gttctattac tgagaaacca 240
 aatacatgat actaaaaact caaatggaag aaaagcagtt agattttaat cagcctcttt 300
 tatcggttaag gcgaatctca tcaacggcgg cctctgaaaa tgacaataaa agaaaagctg 360
 agtaatcagt gcggaaacga cctcctcttc cgttttacia atcagagtta aaatcaggctc 420
 cagtgactaa ccctggaact gttacttttg tatgggagaa gactcctggn agacctaaga 480
 atgaaagcaa actacaaaca agggctgtcg aacggccttc cgttgctcca aagcttccac 540
 ccgggaggggt 550

<210> 9413
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102e06a1
 <400> 9413

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 tgtggaaata tggcaaaact tggagactgt gcagctcatt tttttattgc agcaatgggt 120
 ttgagcacgt tttacgtgac caaaactgtg gcacaatcag aaattgcacc cacatcgcaa 180
 atggagactg gtgcagggtt tgctttgtct gtttctgggg tgaccttatg ttcttctgtg 240
 ttggtttcta ttgtggcatt tatgatgcag tgaattgcaa ggcatattgg ctctatttca 300
 tgtttgattg gtcttatcat gtacgtgttg aaattatatt ttatgatgaa tttaaagggt 360
 tgtttctgtt tctttactat gcttgcttct tgaacacggt cctgtcgttt ttggcattgt 420
 aacctagtag tagctatatg atgagttaca tgtctgtaat tttcgccaag tacttaactg 480
 gtgcatgtga atagatatga tgtaattata ta 512

<210> 9414
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102e07a1
 <400> 9414

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 catcttcgcc ggaaagcaac ttgaggacgg gcgcaccctc gccgactaca acatccagaa 180
 ggaatcaacc cttcacctcg tcctccgtct ccgtgggtggc atgcagatct tcgttaagac 240
 cctcacccgc aagactataa ccctagaagt cgagagctcc gacaccatcg acaacgtcaa 300
 ggctaagatc caggacaagg agggatatccc ccagaccag cagaggctga tcttcgccgg 360
 caagcagctc gaggaccgac gtacccttgc tgactacaac atccagaagg agtcaactct 420
 ccacttgggtg ttgcgtcttc gtgggtggtat gcagatcttc gtcaagacct ttacgggtaa 480
 gactattacc cttgaggtgg agagctccga caccattgac aatgt 525

<210> 9415
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102e08a1

<400> 9415

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gcgtcgttcc tttctttctc taccttttcg gtctctctct ctctctctct ttccaagtac 60
ctgtataata tgcaaagaga cagaaagaag ggcagtaagt atcctcccgg ggagtcttct 120
aatcctcaat catcagaaaa agatgatcac aataatgata caaatcttgc tgaaggatct 180
agtaaaccag agctgagtaa caagaatact ccacaatcac tgaaggccaa atctaaaatt 240
gttaagaaat ccaaggggtg taagttcaag accataataa ataaagggtc tcaacagatt 300
gggggaaaga gaagacttag aaagaacaaa aaagtagtgg gcaatagtga tgaactgcct 360
aaagagaaga gtgagaaaga tggaaggaat aaagagaagg aaagtcaaaa taggagcact 420
catgaaaaaa gtcctattga gaatagccat cgagctgaaa aaaataagat cattaagggtg 480
gataagagcg aacagaagca gaagaataaa gagaacata cagagt 526
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<210> 9416

<211> 535

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220102e09a1

<400> 9416

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ttcacaagag attggatttt ggaatggaaa ggggtgtgtc agtagatgag atatcggagc 120
aatactgggt ggctgcatca ttttcttcat catcatcatc atcatcgttc aagtcaaaga 180
tgaaccggag cgaatccgaa tgggcctttc agcagttcct acagcaggaa gctgcttctt 240
cttcatctaa ttctgatcat gatgatgatc atcatcatgc taaactcaaa aaggaatcca 300
acaccaacat cctgtttact ctacatgttg attccaaga ctaccatgct attcttaaga 360
ccaagcttaa tctcgcatgc gctgctgntg ctatgactcg gggatctttg gtcaaactctc 420
aaaaccctga cagtggacca caggcatcta atttttctga agttggatcg catggctacc 480
ttaaaggatc tggccctttt ggaaatgatg atccctctca attacaaaat aaaga 535
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<210> 9417

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220102e10a1

<400> 9417

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cactttcttt ctctcacaaa tcacaatgtg ctccgataac tacaatctct caattcccca 120
ttaattaaaa tcaaaatcaa aatctaactt gggtttctcc catcagagga caaagcttcc 180
gactttgcgg gattcggtcg tatttgtttc agtgctgtga tggggaaggt cgcggtggga 240
gctgccgttg tctgcgccgc cgccgtatgc gctgcggcgg cgctggtggt gcgccaccgc 300
atgattagtt cccggaagtg gagtcgcgcc atggcgatac tgaaagagtt tgaggagaag 360
tgtggcacc ccaattgtgaa gctaagacaa gtggctgatg ccatggatgt tgagatgcac 420
gcgggtctcg catctgaggt ngtagcaagc tcaatatgtt gatcagttnt gtcgataatc 480
tcccaac 487
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<210> 9418

<211> 536

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220102e11a1

<400> 9418

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ttaggtcctg ttaagaagca aattgatata agtgaagtgc aaaagatgaa agcaatgctt 120
gaaaaagcac ggagttagtg cagaattaaa gatgaatcta tgcgaaaact tgaagaaaat 180
ttgcaaagct tggagagtaa ggccaaaggc aaggatcaaa tttacaaaaa tctacaagaa 240
aagattcaag aacttgaggg acagattgag ttgaaaagag ccatgcaaaa tgactcagag 300
aaaaaaatct ctcaattatc tgccaaattg agagggaag aagaaacctg cggtactctt 360
cacaaaaggt gaaagagcta gagaaaaaga tgaaagaaca actgcagtca gagtcagcaa 420
gttttcaaca gaaggtttgn gatctagaga aaaaactgga agatcagatn gcagggtctg 480
agtctgaaat ctgctatttg aaaagataga tcaggagctt gagagaaact gaagag 536
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<210> 9419
 <211> 501
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102e12a1

 <400> 9419

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 gaaactgatg acaggaatca ttcacattaa gccacgatgc aaccttttgg tttctaattgc 120
 aaagagggtt gttgatggtc ttctctttga ttgcttggtg gccttgaatt acacactgag 180
 gatagtttgg ttccatagtt gcagcaatth gtggtttgta agaaatttcc aatttgctga 240
 ctcatgcaag ttcattgatg ctattcatgc tggaaatggg gagattgacc ctacacttct 300
 ctctaatttt agcataaaaa gtgtggcaag tgtttggtgt aagctgtaaa cgccacttgc 360
 attcaaaata atgcacaaag attttctgcc taagtttatg gtaggtgctg tgctaggtgt 420
 gcatatctct tccacttcgg tccgttgtaa agatctctag gttggatgat nttttattta 480
 ccactagaaa tttagaatct g 501

<210> 9420
 <211> 546
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220102f01a1

 <400> 9420

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 tgcattgaaa gaagaactgt ggccagcatt ggatgaattg cttagagatg aggacgatgc 120
 aactgtgtct acaccttata ctgctgcagt tttggagtac cgggttggtta ttcattgatcc 180
 attggaagca tctgtcgacg aaaagaagtg gcataatgta aatgggtcacg ccattgtgga 240
 tgctcaacat ccagtcaggg caaatgtggc tgtgagaaag gagcttcata ctctgcac 300
 tgatcgtatc tgcactcatt tggaatttga catttcaggc actggagtta catatgaaac 360
 tggggaccat gttggtgttt actgtgagaa tttgtctgaa actgtggaag aggcaataag 420
 gttaataggt ttgtcaccag atacctatth ctcaatccat actgatgatg aagatggcaa 480

accacgtagc ggaagcttct tgccacctac attcccaccc tgactctaag aacagcactt 540
acacga 546

<210> 9421
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220102f01d1

<400> 9421

acctccaaac atttttttat agttcatata gtacaaggaa ttgtctgcgt ctctgaacct 60
ttcttttgagg ttcatcatatc attacaaaaa gaaaactgaa gtaaaatagt tcatagtcta 120
gggtataaaca gtatataata aattacacga accaaaaaga atccttttaga aaatatagtg 180
aaaaagaatc gtaggaaatg tcgtcgcgat ggcaacaagc gccccccctc aattttgagg 240
gcactaatga aagggtggcac aaataaggcc ctttcaaaat cctctagcca caactctatg 300
tgttattaat atcttcgtca cccccacgga ttgcattcag atatcatcac catacatcgc 360
gcaaatatct gccagtagtt tgtagattct ttaccatgct ctcagccttg gaactatcga 420
gagaaccctg ctcttgcaaa attgtgtgca gggcgcggtg tacatccctg gccatgacct 480
tggatcacca cacacataaa tgtaa 505

<210> 9422
<211> 526
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102f02a1

<400> 9422

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gtcgatgctc cgtgttggtg ctaccaaggc tcagtcggag aggagggttt cattgttaaa 120
tgctctctct cttcactctc tgctcaccct tttccccctt catgtcttca atcaccgcct 180
ctccttcagg gtctccaaaa accctaacttt ttaatttcca tcccaaccct tttctttttt 240
tccatactgg gaatttaata ttcaatttta gcctcctggg tttccaacct ccatctctc 300

accaacacga gtgattcaaa gatgtttcta tttgggtcat ttactgaaga tgaaactcaa 360
 tcattgctgt caaagcagtc ttctggaaaa aaggaaaaac ctgtggagaa gaatcagctg 420
 caatttggtt ctctgaattc tgggtactggt gagtcaaaca acctgctaaa ttcacgaaa 480
 tcaccagata attcttcacc ctctgattct cagaaatgtn atggag 526

<210> 9423
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102f02d1
 <400> 9423

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 aaactgaatg cttagacccc ttgagttacg cttgccaagt cttccttcag atcgcgaaa 120
 ccatgatccg tggtgccggg actatagtac acacattgga agccatcgat gaagaagcca 180
 tcagagcgct aagtgaggat ggcacagtac catcacccat gactgggggtg ggacccgcga 240
 ttacggcacc gtatggagaa gatgacaaag ggcgcccgag ttggctaaac ttgcaaccga 300
 gtcagaccgg cgtgttgctg tgatgcggaa gcatgggatg gttctcgagg gctcagttga 360
 aggagat 367

<210> 9424
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102f03a1
 <400> 9424

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 gaatttggtt ttctttcaca atggaacaac ctcttctc gtctcttcag gtggagacag 120
 cacaacaacc gggacctagt cctctccgaa aaatgttcgc tgtctcgtca atcgccgcgg 180
 gaattcaatt cgggtgggcc ctacagctct ctcttctgac accgtacgtc cagaccctcg 240
 gcgtccctca cgcattggcg tegtctattt ggctctgcgg cccaatctct gggctgcttg 300
 tgcagcccat tgtaggttac agcagcgacc gatgcagatc ccgctttggt cgccgacgtc 360

ccttcattctt cgtcggagcc atcgctgctg caatagctgc gttcctcatc ggctatgcag 420

ccgatatagg acacgccgcg ggtgatgacc tcacgaagaa gagccgtcca cgcgcg 476

<210> 9425

<211> 437

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102f03d1

<400> 9425

aatacgaagc atttgatgga ttataaattt ttaaatgttg gtgtacatat atttattaga 60

gaaaacaagg ataaaactta agcccaccct aaagagttat ttgatgggtc taatacctaa 120

atgatacaca ctcaccaaatt ttaaattaaa agtctccatc taatattgtc ccatgcatgt 180

aaaactctat aatatatact aatggaaact ccagcagtg acggaagtaa ccttggtcac 240

atctgctggc tatggtgttg gcagcagaac aaccgctaac acggcactca cggcagtcgc 300

cacggcacc aacacaaacg ccggtcagtt ggcaccacca aaccacttat cccactgtcc 360

acttatagcc gatactatca tctgtggcac gacaattgca acattgagga caccacagga 420

taaaccttgg cctgctc 437

<210> 9426

<211> 505

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220102f04a1

<400> 9426

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agtggtgga cctctatggg acttccgtca atgggtcaga ctctgtttgc catgcacatg 180

tcaaacatga tatctagtgg gatgacatct tctgtacctg cgggtcaaaa tgtattttca 240

tctggacagt caggaataac atcaatgact agttctggac ctcttactgt tctgcacag 300

gttggaacaa attcaggtct cggatcatta acttcgaaca cttctaattt gtcttcaagt 360

tcgaacattg ggatttcaca accattgggt aatcttcaag gggttgtag tattggacaa 420

attaaaggca tacttttata gcatgtcatt gtttgaacac aggaccagtg tgcgatgtgg 300
 ggctgctgct ttattcatct ttttttattt ttatttatct cttattgatt tttcggaaag 360
 ggtcttctac cttcctagtt tctagtggaa gataaatttt ggtgtcttgg gtttaaataca 420
 attgcctttt agttaaatag tcacggttgt agtgagttgg ctcctttatg ataatgtggg 480
 ctcaagactt ccaaggtcat aaatgtacat 510

<210> 9429
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220102f07a1
 <400> 9429

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 actattttcc ggaaagcaac ttgaagacgg gcgcacccta ggcgacttca acatacagaa 180
 ggaatcaacg cttaacctcg ggctccgttt acgagctggc atgcaaactt ttgctatgac 240
 cctgatagtg atgactatga ccctagaagt cgacatgcta cacaccatct acatccgtaa 300
 ggctaagatc caggacatgg atggtgtact gccacacctg cagacgctga tcttcgtcgg 360
 tagcacctcg aggacggacg tacccttgct gactacaaca tccataagga gtcaactcat 420
 gcacttgtga agcatcttcg tggtaggggtg cagatcgtaa gtatgaccct tacgggtaat 480
 actattaccc ttgaggtgta ta 502

<210> 9430
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102f08a1
 <400> 9430

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 aagctgcatt tgcagtggcc tcaactctccc tctctctccc caccattttc ccttcgtccc 120
 aaccacgaa tatcccatca accacccttc aaccaaccaa gctcaaagtc ccaacccaag 180

cctcaccctt cacacacctt tctctctcca ccaccactcc tctccttcc aaaacctcct 240
tcaaattccac cgtctccgcc aacccccctcc acgccccctct ctcctctcgt cccacccgcc 300
cccgcgaccc ttccaacgcc gccgccctcc gacgcgcgcg cgtcgtctgg ttccgcaacg 360
acctccgcct cctcgacaat gagtgccctca ccgncgncaa caacgactcc ctctccgtcc 420
tccccgtcta ctgcttcgac ccctccgact accgcaagtc ggcatccggc ttcgac 476

<210> 9431
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102f09a1

<400> 9431

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ccactattgc acttcttccct cgttctccct ctttttcttc ttcttcgcta aacccttttt 120
tctatctcac taacacaaca atgggagacg agaagaaggg caagcctgct gcttccggcg 180
tgtgggtccac catcaagcct ttcgtcaatg gtggagcctc cggcatgctc gccacctgcg 240
tcattcaacc catcgatatg atcaagggtga ggattcaact tgggcaagga tcagctgcgc 300
aggtcacttc caccatgctt aagaatgagg gttttgctgc cttctataag ggtctatctg 360
ctggattact caggcaggct acatacacca ctgcccgtct tgggtcattt aaaatcttga 420
cggccaaagc tattgaggct aatgatggga agcccctgcc actgtatcag aaagctctat 480
gtgggctgac tgtggtgcta tcggagcaac tgttgagtc cagcagatnt ggcaactca 538

<210> 9432
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102f10a1

<400> 9432

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gatttcaggc tcaagttctg caaaggcgaa gagcgtttgg ttctttctcaa cgaaacagag 120

aaacgagagc tcatgggtgcc aggtttcaga cccatcagag atgtctccgt tgacatcaaa 180
 tgcgacaagg gcgatcgcac cgcgtaccaa tccgacatcc tcaccttcac ccaaagtca 240
 gagctcttca accagaaaag ttcaatccct gggagaattc catctgggta tttaacaccg 300
 tgtttggtt tgacgagggg tcatgggcaa ctgatgcagc taaccaaagt gtntgngtat 360
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<210> 9433
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102f11a1

<400> 9433

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 ggggccagtg gtgttggtcc tccacggctt ccccgagctc tgggtactcat ggcgccatca 120
 gattctctct ctcagctccc tcggctaccg cgcgctcgt cccgatctcc gtggctacgg 180
 tgacaccgaa gcaccacctt caatcagcag ctacaactgc ttccacatag tgggtgatct 240
 cgttgcgctt attgactctc tgggtgtcca acaagtgttc cttgtggctc atgactgnng 300
 gagccatcat agttgggtatc tatgcatgtt tcgcccgtgac aaagttaagg cctatgtctg 360
 cctcagtgtc cctctcctcc gcagagacc aaacatcaga acggtggatg gcatgcgtgc 420
 tttgtatgga gacgactact atgtctgcag atttcagaaa ccagnngaaa tggaggctca 480
 gatggctgaa gttggcactg agtatgttct cgaaaacatt cttacaactc gcaatcct 538

<210> 9434
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102f12a1

<400> 9434

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ggtagagcc aggagaggac aagccacgga cccacacagc atcgccgaaa ggtagcgag 180
 ggagagaatc gcagagcgaa tgaaggccct acaagaacta gttcctaata ccaacaagac 240
 tgacaaggcc tccatgctgg atgagatcat cgattatgtg aagttcctac agtccaagt 300
 caagggtttta agcatgagca gattggggcg tgcagcagct gtggcacccc ttgttgctga 360
 nggtggcggt gactgcatcc aagccaaacg cagcaactca aacgacagcc tcgccatgac 420
 ggagcaacag gtggcggaagc tgatggagga agacatgggt tccgncatgc agtacttgca 480
 gggcaagggt ctatgcctga tgccta 506

<210> 9435
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102g01a1
 <400> 9435

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 tgtagagag gtcgagaagc caggatcaaa gcttcacaag aaggaaactt gtgagcctgt 120
 tacaattatt gagaccctc caatggttat tggttggtgt gtgggttatg tgaaaactcc 180
 acgtggtctc cgaacattga aactgtctg ggctcagcat ttgagtgagg aattgaaacg 240
 taggttctac aagaactggt gcaagtccaa gaagaaggcc ttcaccaagt actctaagca 300
 gtatgaaact gaggagggaa agaaaaacat tgaggcgag ctggagaaac tgaagaagta 360
 tgctactgtg gttcgtgttt tggtcacac tcagatcagg aaaatgaaag ggttgaagca 420
 gaagaaagcc catatcatgg aaattcaggt taatgggtgt agtattgcac aaaaggtgga 480
 ctttgcatac agtttctttg agaaacaggt tccta 515

<210> 9436
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102g01d1
 <400> 9436

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cagtcttccc tgaaacaaaa gtttggccaa ctttaaggaga aaaaaaactc actacccgag 120
aatccataat atcaaaacag aaacactaca aagttttataa gtgatggcaa ccaaatagaa 180
ttccagcatt tccatccaat taacataatt atgcttttgag gcgtccaaag aacttctgct 240
tctcctgtgt ggtctggaag cgaccatgcc caaactttga agaggatcgc ataaacttga 300
gtttgatctc cttaagagca acacgagaag tctgcttaag gagggattga cgcaatgtaa 360
tgaccctctt ctggggacca acacagcatc ccttgaccat gataaaatca tccttaacaa 420
caccatagtg agggaaa 437

<210> 9437
<211> 507
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102g02a1
<400> 9437

cgaagcagga actaaatatg gctgacttgt tggaatggtc aaagcaagat aagaaacgaa 60
tgcttcatgt cgtctaccgt gttggtgacc ttgatcgac catcaaattt tacacagaat 120
gtttaggaat gaagcttttg aggcaaagag atatcccaga ggagaaatat gctaattgctt 180
ttcttggttggatt tggccctgaa gaatcccat ttgttggtga attaacatat aattatgggg 240
ttacctcgta tgacattggc gatggctttg gacattttgc aattgcaact caggacattt 300
ataaattggg ttgagcacat cagggccaca ggggtggaac atcacaaggg aacctgggtcc 360
aagtcaaggt ggaactactg ttatcgctt tgtaaagatc ctgatggtta tacttttgga 420
cttatccaaa gacctacagt ccatgacca ttntgtcaag taatgcttcg tgttggtgat 480
ttagagcgct caattaagtt tatgaaa 507

<210> 9438
<211> 384
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220102g02d1
<400> 9438

gataaactag tagattaatc ataggtagca tgcagaatga gggtttcaatt gcgggttttaa 60
gtcaacaaaa gaaccataa aagcaagaaa acaagttgat gactgggtact gatacaaaac 120
gcacaatgat aaaatgcgag acaacttatt catacaaaag cagcaggact acttattttca 180
tataaagctt gctcttctact tcagttcttc caagaaatca acgttgtcaa ccaagacagg 240
tttccatcca tctggatcta aaaacgaagt gggtttttgta ttaaggccag gaattggccc 300
tggtatgccga gtaatcttcc ctccaacctt ttttatgact tggttaacta cctcagcact 360
cttatataca tcatcagtac caat 384

<210> 9439
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102g03a1

<400> 9439
cttcacttca ctaatacatc atggcagacg agaccagaa caagtatgag agctctgagg 60
ttgaggtcca ggatcgtggt gtttttgact ttctcggtaa gaaaaggat gaagaagaca 120
agcctcatcc tcaggaggag gtcacgcca ccgagtttca aaaagtcact gtctcagacc 180
aaggagagaa caagcacagc ctcttagaaa agcttcaccg atctgacagc agctctagct 240
cttcaagtga ggaggaagga gaagatggag agaaaaggaa gaagaagaag aaggaaaaga 300
aagggctgaa agagaagatc gaggagaaaa tagaggngtg atcatcatca tcacaaggat 360
gaggacacaa gtgtccctgt tgagaaagtt gaggttggtg aaacagcaca tgctgaagaa 420
aagaaggggg tcctcgac 438

<210> 9440
<211> 413
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220102g03d1

<400> 9440
ataaaacaca aatgaaacac actattattc catthttcagt acatatttaa tttcttttta 60
cttcaaagaa ggaaacctac acaaacttta tcttttgtaa atggaagaga tcaatacaca 120

atgatatagt caattaagta tgcatagaaga aacaccaacg aaacccacac ggttgatcata 180
 tgatgaaatg aaacctaagc actgcacaat catgcatctg caaccaacca aaaagccttg 240
 tctcaatctt aaatatcgat gagcactcac tctgcttcag cttttacttt tctctctctg 300
 tcttgagtg ataaccagga cgctaattctt tcatctggaa taatataccc ttgttgctct 360
 tggactctcc ttcattgatga gcacctttac catgctccaa tgatgcaaca tgt 413

<210> 9441
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102g05a1

<400> 9441

gctcgtagtg aacctctctc cttgtacacc tgcttgaag cttttctgag tgaagaacct 60
 ctggtgcccc aagatatgtg gtactgtcct aaatgcaaag agagacgaca agcaagcaag 120
 aagcttgatt tgtggagact ccagaggtt ttggtcattc atttgaagag gttttcctac 180
 agcaggtcaa tgaagcataa actggagact tttgttaact ttccattca tgattttgat 240
 ttaaccaatt acatagccaa caaaaacaac actcggcgtc aactgtacga actgtatgcc 300
 cttacaaatc attatggcag tatgggtagc gggcattaca ctgcacatat taagctttta 360
 gatgagaaca ggtggtacaa ttttgatgac agccacatat cactcataag tgaagatgag 420
 gttaacactg ctgctgcta tgtgctattn tacc 454

<210> 9442
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220102g06a1

<400> 9442

gtaggagccc ttacaccttg cagagtcac tcaacattcc caagggctcc tactacgcaa 60
 taacgccaaag ctcgatctca aattaatata tcatttatcc ctcttaatca aatattaaat 120
 aagaaaagat gggagagatg tcaaacttcc aattgggtgt gattggtgca ctatttctct 180

cgggtggcttc ttctgtctcc attgtcatct gcaacaaagc cttgatgagc aatcttggct 240
 tccctttcgc cacaacgctt actagttggc atttgatggc cacattttgc acccttcagt 300
 cggctcaacg cttgaatcta ttgtgtcca aatccgttga cttgaaaacg gtcagtcttt 360
 ttggtattct aaatggcatt tccattggat ttctcaactt gagtcttggc tntaattcca 420
 ttggattcta ccagatgaca aaacttgca tcataccatt cactggatta ttagaaacta 480
 ttgtcttaaa gagcagttca gctcgaaata aaatctc 517

<210> 9443
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102g07a1
 <400> 9443

cttgtgttgt gtccctcttt taagctatct ccttctctta acacaattgg ttgtgccaat 60
 tgccatagtc accaaccaat taacaaagg atatatatca tcatatcatc accaaatgaa 120
 aaatattggg ttgttttttt cttgtggtgg tggctacttt tgtggtggca gccacagctg 180
 gtagctttta ccaagacttt gaaataacgt ggggtggtga gcgtgccaaa atctatgaga 240
 atggaaacct tctcacactc tcccttgaca gagcctctgg ctctggcttt cgttccaaaa 300
 aagagtactt gttcgaaaa attgacatgc agctcaagct tgtgcctggg aactctgctg 360
 gaacagtaac tgcctattat ttatcttctc tggggcctac tcatgacgaa atagactttg 420
 agttnttggg taacttgagt ggtgatcctt acactcttca cacgaacgta ttcagccaag 480
 ggaaagggaa cagagaacaa cagttccatc tatggttcga cccaccaaag gacttncaca 540
 cata 544

<210> 9444
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102g08a1
 <400> 9444

cacaaacaca gacccttccc ttccttcctc cctccctcat tcccttcttc aatttcatca 60
 acacaaccat caatttcata aaccatcgca taataatagt attatcatga tagccgtggc 120
 ccgaaaggac atggaccgga tcaagggccc gtggagcccg gaggaggacg aggcccttca 180
 gaagcttggtg gagcggcacg ggcccagaaa ctggtcgctc atcagcaggt ccattccggg 240
 ccggtctggg aagtcatgca ggcttcggtg gtgcaaccag ctgtcgcccc aggtcgagca 300
 ccgggccttc acaccggaag aggacgagac cattattcgg gcccatgccc ggtttggtaa 360
 caagtgggcc accattgcgc gcctnctctc gggccgcacc gataacgcca tcaagaatca 420
 ctggaactca accctaaaac gcaagtgcgc gtccttcatg atggcgggtg atgaagccgt 480
 cgccgtgagt ccgaggccgc tcaagcgatc cttc 514

<210> 9445
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102g09a1
 <400> 9445

tttggtttgg ggaagtaaata ggactcagtg acaaattata ctcatcactc acttgatcct 60
 ctactctgt cacacttctt agatccaact ccacatatta cacatgacca aaccccctat 120
 ttgagcatat tgtcgaataa acgtcttacc agaaaagcga ccatacacat tcatcatgga 180
 ggtaacagct gctactatat gatcattccc tgtcacttca ccggagcctg actatgctaa 240
 cccaggcagg aaatttgatc aaatcccctg gaactcatgt agaactaata tccaactttg 300
 cctattctgc tggctagaat gcaaaagctc aagccccttc taaaattaat ggaaccacag 360
 tagttacata taaagaaagc ttcaagcatg atgatgatct acctttgctt acccccagaa 420
 ct 422

<210> 9446
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102g10a1
 <400> 9446

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tttggtttgg caaaatggct tgtgaaaatg acaacaacaa caaaggccta ttactggccc 60
tagggctagt actttgtgtc accctgtcct tcttcccaag ggtcacagaa gggaggggtgc 120
cctttgcatg cgaccctagg aacgggtctca cgagggggttt caagttttgc aacacgcacg 180
tgccaatcca cgtgaggggtg cacgacctca ttgagagggt cacattgccg gagaagatca 240
ggctcgtggg caacaatgcc atcgacgtgc ccagggtcgg catccaaggc tacgagtggg 300
ggtcaggagg tctccacggc gtctccaatg tgggccccgg caccaagttc ggcgagacct 360
tccccggcgc caccatgttc cctcagggtca tcttgaccgc tgcttcgttc aatcagtcgc 420
tgtggcatga aattggacag gtggtgtctg atgaagcaag agcaatgtac aacggtggac 480
aggctgggtt gacgtattgg agtcctaata 509

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<210>      9447
<211>      532
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220102g11a1

<400>      9447

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agcagttgaa gatggagcac gacgaagacg aagagccacc tcttgctgtt cagattcaag 60
ggaatgatga atccgtttct cagcaatctt cttctgttgg ggtcactctc atcaccggtt 120
atcttggttc gggcaagtcc actctagtga atcatattct gaattcgcaa catgggaaga 180
ggattgctgt cattttaaat gagtttggtg aggaaattgg cgtcgaaaga gcgatgatca 240
atgaaggaga taagggtgca ttggttgaag aatgggttga gcttgccaat ggggtgtatat 300
gttgcacagt caagcatagt ttggttcaag cacttgaaca acttgttcag agaaaggaaa 360
ggcttgacca tatattgctg gaaaccactg gattggcaaa tccagctcct ttggcatctg 420
gtctatgggt ggatgaacag ttggaaatca gagtgaagct tgattctatt gtcacgggtg 480
tggatgctta aaaattgcgc ttccagcttg atgagcatcg tgatcatctt ca 532

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<210>      9448
<211>      443
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations

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<223> Clone ID: jC-gmf102220102g12a1

<400> 9448

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tcaacaggat ccttggcccc aaggccaatt gcatctcctt caaggactct gcatgccgtt 120
gctttggcta catggtctcc aaaaagaagt acatctacac cattgatgat gactgctttg 180
ttgccactga tccatctgga cacaagatta atgcacttaa acagcatata gaaaacctcc 240
tctgtccatc cacacccttt tttttcaaca ccctctatga acctttccga gaagggtgcag 300
atthttgtcg tggttaccct ttcagtctcc gggaagggtg accaactgca gtttctcatg 360
gtctttggct caacatccca gactacgatg ctntaccca gcttgtgaag cctcttgaga 420
ggaaacacta gtatgtggat gct 443

<210> 9449

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102h01a1

<400> 9449

agcttggcat agagaaaagc aaaattgatg acttgtccaa cctcctctac aagaactatg 60
gaacaactat ggctggttta agggcaattg gatatgactt tgactacgat gaatatcaca 120
gttttgttca tgggagatta ccttatgaga atttgaaacc agaccagtt ctgaggaacc 180
tcttgctgag cctaccctat aggagactga tcttcacaaa ctcagacaaa gtccatgcag 240
ttaaggcact aagcaggcta ggattagaag actgctttga aggaatcata tgctttgaga 300
cccttaatcc catccacaaa agcactgtct ctgatgatga agatgacatt gaatttgtgt 360
ggggttcagg cacaaccaat ccaaccacaa aaaagatgc tagcagc 407

<210> 9450

<211> 320

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102h01d1

<400> 9450

gttcatcaat gatctaagca gtcacagatg tctccacagc aagcttgcca ggataagcaa 60
 cttctgattt tatgtcatct tcccatagtt ctggcactgc ctccctaagg ttgtggatgc 120
 tttctaagtc ataatctgct cctttaattc tctgagattt tccaaccagc acagtgtgaa 180
 gaccacacg ttttccagct tgtgtgttgc ggacactatc ctcaaagaac aaagttcttt 240
 gtggattaag gttggctatc ttgagggcca actcaatggc attttctgat ggtttgcaaa 300
 taattggtgt ctttggaac 320

<210> 9451
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220102h02a1
 <400> 9451

gctagccgta ttctaaaaat ggaaaacaat caaagtgctg caggaacaca agatagttct 60
 atgatgaagt ctgttgatca aagagcacga tcaaaagggc gcaatgacat aatgactcaa 120
 cgtctgaaga atcgagagag acaacgaaga tatagggcac gtaagcgtct agaagccgaa 180
 acaaagaagt catttggtgt ggaagagaca ccagctgtgc aagttgaact acaaccaaac 240
 aggaaccca acaacaactt cgtgaccgt atctattgta aacgagattg gaaaaaggac 300
 gcaagacggg cccatatttt aaagcatcaa caaatgaatg gattcattga tcgtccagcc 360
 ataactagtg tacctgaggt gacatgctta gccattggaa acaagtcaga aacagtgcc 420
 gagagggaaa ttcagtctgg atcttctggg gttgctagta ctgatgc 467

<210> 9452
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220102h02d1
 <400> 9452

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 atctctcaat tccccattaa ttaaaaatca aaatcaaat ctaatctggg tttctcccat 120
 cagaggacaa agcttccgac tttgcgggat tcgttcgtat ttgtttcagt gctgtgatgg 180

ggaaggtcgc ggtgggagct gccgttgact gcgccgccgc cgtatgcact gcggcggcgc 240
 tggtggtgcg ccaccgcatg attagttccc ggaagtggag tcgcgccatg gcgatactga 300
 aggagtttga agagaagtgt ggcaccccaa ttgtgaagct aagacaagtg gctgatgcca 360
 tggatgttga gatgcacgcg ggtctcgcat ctgaaggtgg tagcaagctc aatatgttga 420
 tcaagtttgt cgataatcta ccaactgagg attacgaaag cctctattat gcattgg 477

<210> 9453
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220102h03a1

<400> 9453

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 gcctatggca ctgccatagt gggcctccct tcacaaattg cctatggtgg ttgacaaaaa 120
 aaccgccatg ccagtctgcc atggcggcct tagcgccgcc atttatcaac attgttagca 180
 aatgagaaaa atgttatctc ctgcaatatt tattctcatc atcagaaaac attctgatgg 240
 gttcaaaaaga ttaatttctg tggcagtggg tccaaatgag ggggtgtagag tactagagag 300
 ttcttcttgg ggagagttgg gtatctgtga agatcatgct attcaggaac catatgaagg 360
 catggaattt gaatctgaag atgctgctaa gctattctat gatgaatatg cccggcgatt 420
 aggatttgtc atgcgtgtga tgtcttctcg acgctcagaa agggatggta ggattcttgc 480
 ccgcagactt ggatgtaata aagaggggta ttgtgtcagc a 521

<210> 9454
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220102h03d1

<400> 9454

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 cattggtgtt tacattttct tctgtaaaat taggggagta caaaaatgat acaagattac 120
 attgcaccct gaggcttaaa gggacgtaac tagtttgtca gtggccaaaa tgtcacaaaa 180

cctgttttag cttttaagga ctatgacaag caatgtaact tcacagttta tatatatata 240
tatatatggg ggccttctct gggttgcaaa gctcgcatta ttgggttcacc aaaaaaatag 300
gttagcctta ccagaagttt cactgaatca gggaatgcc a t tcatgaacg attaagggat 360
cattcttttg acacgacaca ttttagtggt cacaccgtga catgatgcat 410

<210> 9455
<211> 467
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220102h04a1
<400> 9455

agaaatccac caatgtatgg tggttaattct cagcaaggct accaagctcg ggcacccact 60
agctgggggc cactgctgc tcctatgcc caatccggtt atggctatgc gcatacagca 120
gcatactatg gtccacacta ctataacatg cctcaccaac aatatgcaag ctatcctcct 180
cagccatctg gacagatatt ctgccaccaa ctgggatcag tccactgacc cacagcagca 240
gtcaacccat gcatggtatg attactatag tcaacagcag tagcctaate ctgcaccttc 300
atatgatggg actgctgaca attacagcca tgccacctta ctctggacat aaccaacacg 360
tacaggtcta atctcaggat ggctatagag gatatcatgc accaccacaa ttacgggatc 420
gtcaggcacc atcatatgat cagcagcaaa ggtatagctc atcccc 467

<210> 9456
<211> 520
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220102h05a1
<400> 9456

aaaagacttc cttttttgca attgtcattt gtca.ccaaac aattggtggt agctctcaca 60
agcaagcttc agcaacgaca atgaaggcca gaactagatg aagaaaccaa tctcttttat 120
aatttcctcc ctttcatcca ctaatcaatg tttctaattg agtttaattt tctcagggat 180
agccttacac tgttttgttt ccactagatc ttgtatttaa ctatttcctt tcatgtttta 240
aatgtagaag taattaacta ttgggtctta actgctcttt gatttggtgt gttacagaaa 300

gtagtcttac agttggactt acatggcgat agaatcaagc aaaaagctat gaaaacagca 360
 tctggccttt caggtacatc tttgcttttg attcaagaag cacaattaat acatgtcatg 420
 cagcatcaag gaatcaatga tttttattaa caaaattgct tgtaattatt tttgcacggg 480
 ttcgatcagt ttctgttgat atgaaagaca tgaaaatgat 520

<210> 9457
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102h06a1
 <400> 9457

cccacatttt caaaatggct tgtgaaaatg acaacaaca caaaggccta ttacttgccc 60
 tagggctagt actttgtgtc accctgtcct tcttcccaag ggtcacagaa gggaggggtg 120
 cctttgcatg cgaccctagg aacgggtctca cgagggggtt caagttttgc aacacgcacg 180
 tgccaatcca cgtgaggggtg caggacctca ttgcgaggct cacattgccg gagaagatca 240
 ggctcgtggt caacaatgcc atcgccgtgc ccaggctcgg catccaaggc tacgagtgg 300
 ggtccgaggc tctccacggc gtctccaatg tgggccccgg caccaagttc ggcggagcct 360
 tccccggcgc caccatgttc cctcagggtca tctcgaccgc tgcttcgttc aatcagtcgc 420
 tgtggcagga aattggacgg gtggtgtctg atgaagcaag agcaatgtac aacggtggac 480
 aggct 485

<210> 9458
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220102h07a1
 <400> 9458

atcaattaat ttccaatggc cgatcagctc accgacgaac agatctctga gttcaaggaa 60
 gcctttagcc tcttcgacaa ggacggcgat ggttgattta ccaccaagga acttgggact 120
 gtgatgcggt cgcttgggca gaacccaact gaggctgagc tgcaggacat gataaatgag 180
 gttgatgctg atgggaatgg taccattgat ttcccagaat tcctcaatct catggcgcg 240

aagatgaaag acactgattc agaggaagag ctgaaggagg ctttccgtgt gtttgacaag 300
gatcagaatg gtttcatctc tgccgcagag ctccgncacg taatgaccaa tctcgggtgag 360
aagctgaccg atgaggaagt cgatgagatg attcgtgagg ctgacgttga tggatgatggg 420
cagatcaact acgaggagtt tgtcaaagtc atgatggcca agtgaggacc aatcaaccat 480
aacaaaaaca tttgaaagca catgaacaga anagggacag ggc 523

<210> 9459
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102h08a1

<400> 9459
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atggcaatgc catgcgtacg atatgttccc tctccgaatg aacactggct atggtgccccg 120
tactccggag gtgaaatgcg caagttggag gcttgctgtg gaagcacaca acatctttgg 180
ctttgagacc attcctgaag agtgcgttga agcaacaaag gaatacatcc atggcgaaaca 240
atatagatca gactccaaaa cagttaacca acaagcttac ttttatgcca gagacctcga 300
agtccatccc aaggacacat ttgtgttcag tatagatggc accgtactct ctaatatcc 360
atactacaaa aaacatggat aggggtggag aaatttaact cgaccttgta tgatgaatgg 420
gttaacaagg gcaatgcacc ggcaactgcc gagactctta agaattacaa caagctggtg 480
tctcttggtc tcaagattat natctngtca ggaagaacac tgggacaaac 530

<210> 9460
<211> 513
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102h09a1

<400> 9460
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caaaccgtcg attaccccag cttcaagctt gtcacgtcgc gcgacggtgg cacaggaaag 120

acaaccttcg tgaagaggca tctcactggg gaattcgaga agaaatatga accgaccatt 180
 ggtgtggagg ttcattccgtt ggattttttc acgaactgtg gaaagattcg cttctattgt 240
 tgggatactg ctgggcaaga gaagtttggg ggcctcagag atggatatta tatccatggg 300
 caatgtgcga ttatcatggt tgatgttact gcccgctctaa catacaaaaa tgtccctacc 360
 tgggcaccgt gatctttgcc ggggtctgtga aaacatccca attgttcttt gcggtacaag 420
 gttgatgtca agaataggca gtgaaggcan agcaggttac tttccacagg aagaagaatt 480
 gcagtactat gagatatctg ctaagagcaa cta 513

<210> 9461
 <211> 565
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102h10a1
 <400> 9461

gaagtgagtc agatacgaag aagcaaaagc aaaacagaag caaacaccac cacgcattca 60
 gcttcagaag aaagtgaacc tatttggtgt tttcctaacc gaatcaatct ttattctttg 120
 gttattcttc gacttctaca tgggtgcgct tcttctcttt ctcattattc ccagccttgt 180
 cgcattgtct ttcctctcag aggtacaatc agcgctggtc aagattgtga acaagtgccg 240
 tcacacgata tggccgggat tactctccgg tgccacctcg acgccgattc ccaccaccgg 300
 attcaccctc gagagcggca tatcgaggac cataaagctt ccaaagtctt ggtcgggtcg 360
 gatatgggca cggacactct gcggtcaaga ctctgacgga aagttctcct gcgccaccgc 420
 cgattgcggc tccggtaaag tagagtgcgt ctgctgagcc aaaccgtcgg cgactttggc 480
 ggagttcact ctcaacggcg ccgacggatt ggacttctac gacgtgagtt tggtcgacgg 540
 atacaacctt gcgatgctga tcgtc 565

<210> 9462
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102h11a1
 <400> 9462

ctctcccctg ctatctctaa attgaacgtg ttttctgcta cttttgcgcg tgtgcattcc 60
 tcttcccttc aaagctagca ctttaccac caccacaaca accccttttg ctcccacgtg 120
 cacagagtca aacccaaagc tctttttttc tctccaaacc cacaacaaca aaaacagagc 180
 ttctctgttt tctccattcc caaaacacaa aataaaataa aaaaggaatc tttttcacgc 240
 ataattctgc tgaatttcgg aacagaaaat ggggtgctggg gagtactaca agatcctcaa 300
 ggtgaaccgc aatgccacag atgaagaact caagaggggca tataagagat tggccatgaa 360
 gtggcaccca gataagaacc atcaacacca ccatgttacg aaggaagaag ctgaggcaaa 420
 gttcaagcag gtttcggagg cttatgatgt tctcagcgac ccaaagaagc gtcagatcta 480
 t 481

<210> 9463
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220102h12a1
 <400> 9463

ccgagaacaa aaaaaaaaaa aaaaaaaaat ccgcgattcg ctcttctctt ggaaaagtga 60
 aaaccagaag tacgaacgaa agagaagagc gatttagaag tgagagaaga tgggggttgc 120
 gttcacgaag ctgttcagca ggttgtttgc gaagaaggaa atgaggattc tgatggtagg 180
 tctcgatgct gctggtaaga caaccatctt gtacaagctc aagcttggag aaatcgtcac 240
 cactatcccc accatcggat ttaatgttga gactgtggag tacaagaaca tcagcttcac 300
 tgtgtgggat gttggtgggc aggacaagat ccgtccactg tggaggcatt atttccagaa 360
 cactcagggc ctcatTTTTG tggttgatag caatgataga gatcgagtgg ttgaggcaag 420
 ggatgagctg cacagaatgt tgaatgagga tgaacttaga ga 462

<210> 9464
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103a01a1

<400> 9464

ctcgagccga atcggctcga ggagaattcc* caaatccatg atgcctatgt taagctacag 60
 atcggtaacc agattttgaa gacaagacct gttcaatcaa ggaccatgat tctgcgttgg 120
 gatcaagagc tgatgtttgt tgctgctgaa ccctttgagg aacctctgat tgtttcagtg 180
 gaaaatcgag ttgggtcccaa caaagacgag actattggag ctgttattat tcctgtagac 240
 caaactgaca agcgagctga tgatagactt atccacacta ggtggtatca ccttgaagaa 300
 tccatatcat ctgtgatgga tggggaacaa ggaaaaaagg agaaagataa attttttagt 360
 agaattcact gagtgtctgt ctgatggtgg gtccatgttt ttgatgggtc aacttatata 420
 gtngtgatct cagaccaaca tcaaagcagc tctggaagaa gccaattggt cttttagaaa 480
 ttggcattct agtgttgatg gacttcatcc aacgaaaacc aggga 525

<210> 9465

<211> 334

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103a01d1

<400> 9465

ttttcttttt tttttttttt tttttttttt tttttcttat taactatttt gcttttggttt 60
 tttttatttg tttttttttt tttttttatt ttgtccaaag aaaaaaacac gccgccccac 120
 cccctgttga acaaacggga gaccggccgg ggggctcccc caacaaagtg gagggcggcc 180
 ccacgggctg gcgtttatta cccaccccca ggggggatgc ccccttgtct ctcccccccc 240
 cccgcaaaat ttacttgacc cccgggctgc ggaagacatt gttgaagact gtaaaacccc 300
 ccaaagaatc cttttccccg gtgtttgtgt tgga 334

<210> 9466

<211> 533

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220103a02a1

<400> 9466

cagaaatgaa cgccctccct tcctcttctt cttccacctt cactttctta actcagtcca 60

aaaaccccaa ctaccacttc aagttcacac acaaagtacc cattttaccc ctacactcgc 120
 cttctccatg ttggctccct gagtgactcg tcttcctcgt cgaccacggt gctggacaaa 180
 aatgcccttt caccgaaca gaattctcgc attgcaggtt cgccagaaga ctcgagctcc 240
 aaggaaaacc tcgtggttcg cgggccggtg acggattttt cgggcaaga ctccggcaag 300
 gaggaggagg aggaggaaga agaagaagat gaccgaagg cttcgggtgat cgacgagggt 360
 ctcgcgagat tcgcgaagaa gatgccgatg tttgagccgg agaggatgga atccanagag 420
 aggccactcg caattaattt ggacttggcg ttatacaggg cgaagctttt gggctagaga 480
 acatntcagt atgatgaagc agagtcacta ctttaaaagt gtataagctt ttg 533

<210> 9467
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103a02d1
 <400> 9467

cattaataaaa tatttcttat aatgccgtgt tcaacacaag gtaattacac ctctcatgcc 60
 acggtcatac tattcaaac aatttttaca agacaccaac atgtataaag ctcaagatcc 120
 caccctaaac tacattactg tgtgacttgc acttcggcaa ttccattaat tgatcgtcgc 180
 catatccttc taggagactt acttctcttc acagaataaa attttggtgg ttccaactga 240
 atttctagat tggacaaatc taaagatagc ttttgcttaa tgaaagcatc caaatggaag 300
 tcatttttcc catctgcac atcatcatcc tgatcgtcac 340

<210> 9468
 <211> 562
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103a03a1
 <400> 9468

cagcaaacag caagagagaa atggaagcag catcgccac aattctgcta ctgatactaa 60
 ttcttgctct gatatgctca tggaagggtt tgaactggtt atggctgaga ccaaagagac 120
 tagaaaaact gctacgagag catggttctc gtggcaatcc atacaccctt tactttggag 180

actccaagga gtttctcaag atgagaaaagg aagccgtatc caaacccatg accctctctg 240
 atgacatagt gccacgtgtc tctgcctatg tccaacatag tgttaacaag catggtaaga 300
 attcttttat ctgggttcgga ccaactgccaa ggggtgaccat cttagatccg tagcagatca 360
 aagatgtatt taacaagaac tatgacttgc caaagcctaa tttgaatcca cttgtcaagt 420
 tactagcaac tagccttgca ggctatgaag gagaaaagtg gagcaagcac agaagaataa 480
 tcaaccctgc tgtcaattta gaaaaagtga agatcatgtt accattgttc ctgcaagttg 540
 caatgatctt gatagcaaat gg 562

<210> 9469
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103a03d1
 <400> 9469

gggtggtggt gtgtttatag actggaaata tatctttttt gatgatgttt ttagtgctgt 60
 tgatgcacac actggcactg aaattttcaa agaatgcgtg aggggggctc tgaaaggcat 120
 gaccgttatt tttgctcaca ccaagctgac tctctacata atgcggattt tataggggtg 180
 aagagggacg gaatgatatt ccaatcggag aagtacgatg atctacttgc gtctggaat 239

<210> 9470
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103a04a1
 <400> 9470

gcccctggcg cgatccgccg gtgttgaagg aaaacctctc cgccgccgga aaggggaagc 60
 cgccgctgac gcaaacgcgg aggaataata atgaagggtg atgggatgat tggggtaacg 120
 aggcgaagtc cccggagcaa gagcaagtcg accggggatt ttaggaattt gaacggcggc 180
 ggcggagcgc cggcgaggtc gaggtcgacg gaggatatct acacgcggac gcagctggag 240
 gcgtcggctg cgaaaaagga ggacttcttc gcgaggaaga ttgcggagaa cgagtcgcgg 300

ccggaggggc tgccgccctc tcaggaggag aagtatgtcg ggtttggatc cagtcctcag 360
ccgcctcagc ggcggaatga agcgcanaac gattacttct ctgnntgttc gaggggat 418

<210> 9471
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103a04d1

<400> 9471

gctgaaaata tatttaacct taacaaaatc tttcttcttg cacattgggt ctgagtttaa 60
aaaggaacaa tgggattaaa agttatagcc aacaataaag tatcatgttt ggtagtggc 120
atccttgctt ggctgcatg ccatcagtgc gtaaaactaca gtgttttttt gtcacttaag 180
gaagaaatca tgaaactggg aatgaagtcc aatcaaccct ggtccaagaa gtataacaag 240
tgataacttg tttcaaatta tgtacttgaa atcttagaga aagcctccct ctgtccaagt 300
gccatctgat ttccattat gaccaacacc tttcttatta gatgcacctt cataataatt 360
atcgaatcca tcacttttgg cattatccca gccagcccaa tcctcgttat tatggagagc 420
tgatccttta gctggttctt ccttcctaga atctctgtgt tccaatcat cccaagagc 479

<210> 9472
<211> 553
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103a05a1

<400> 9472

gggattgtgg tgttaaggat atcatttcga aacccttccc ctttctttt caatatcagt 60
atcatgtggg tgggtggttg gggttcatag agtgagtga tggagtctgt tatgagaagc 120
ataaaaaaaaa catgaagagc aaagagtatt attaggcgaa ttatagatgt cctaatttta 180
ttgaaggtag cctcaacaac ttctgctact tctactcca accgcacttc tgctccgcaa 240
ttatcatggg caaggtcaag atcggaatca acggatttgg aagaattggc cgtttggtag 300
ccagagtggc tctgcagaga gacgatgttg aactcgttgc cgtaacgac cttttcatca 360
ccaccgatta catgacatac atgtttaaat acgacagtgt tcatggacac tggaagcatc 420

acgatgtcac cgtaaaggac gagaagaccc ttctcttcgg tgacaagcca gtcactatTT 480
 ttggacacag aaacccctga gagatcccat ggggtcaact ggagctgaca tcattgtgag 540
 tcccaccgag ttt 553

<210> 9473
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103a05d1
 <400> 9473

ggaaaaaagg gggggccaaa tttttccttt accaataaaa acccgggccc tttgggggggt 60
 ttcacccccg gccccccggg ggggttttta aaaacaaaaa cccggccccc cccccccaag 120
 aaaaaacccc aaaggcccca aaaaggggtt tggccccccc aacaaggacc cccccgggtt 180
 tcaaaacccc tttttttccc cccccctttt tttgggtggg gcaaaaccct aaatcggggc 240
 taaacaaaaa caccgggaa aatggggaaa accccccct ttgaaggacc cccctaaaaa 300
 aacttttggg gcccacaacc caaaaaaca agggcccggg ggggtgtccc c 351

<210> 9474
 <211> 594
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103a06a1
 <400> 9474

cttctcacc ccaactccc atctcacaca cccctcgcat ccaacaatgt ctctcaccat 60
 tccctccaac ctctccaagc ccgcccct cgcgccaaa ctaagcccaa agctaaggtc 120
 cgccgccaca accaccatcg tctgcagcac caccaacaac aacaacaaca acaacgtgtc 180
 ctccgacctg aaggcggttct ccgcccgcgt ggccctctcc tccatcctcc tctccgcccc 240
 tctccccgcc ggcgcgcaca tctcggggct caccatgc aaggagtcga agcagttcgc 300
 gaagcgtgag aagcagtcga taaagaagct ggagtcgtcg ctgaagctct acgaggcggg 360
 cagcgcctcc gactggcca ttaagggcag cgtggagaag acgaaagtga ggttcgacaa 420
 ctacgcgaac agnggggttc tgtgcggcgg cgatgggttg ccgcacctga tcgtgagcgg 480

agaccagagg cactgnggtg agttcatcac accccgaata ctattcctgg acatctcggg 540
 atggatccgc tgggtgggtc gagctacctg attgnatcag ggacgagaag aaac 594

<210> 9475
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103a06d1
 <400> 9475

agcaagaacc cttcttacat taattgaatt ggaaaaagag gttgattggg gttcacatgc 60
 cttaaattac atcatatcat gtcccttta taaaaaagt tattccaaa agagcgcgta 120
 aagatcccat ccccatacaa attctccagg cttctctcca atggagccat cccccctttt 180
 ttattttaa acatcctggca atgagggcgc ccctgatgaa ttcttttttag gcagcaacgg 240
 gccctcttaa accccttaa agcaagcgag aagcccaagg aacatcgatg atgaccccc 300
 tcatgggggg gtttttctcg gccctgatcg caatcaggta ggtccgaccc acccagccga 360
 tccatccga gatgttcagg aattgttttc cgggtgtgat gaaccaccc 410

<210> 9476
 <211> 562
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103a07a1
 <400> 9476

ccattatctc agcaagcatg gagttagtgc aatcaggagg ctgaggaaaa ctgataataa 60
 tagaattgca aaggcttggt gtgctgttat tgtgaacaga ccagatgaat tgcaggagtc 120
 tgatgttggt actggtgctg gggtatttga gggttaagaaa attggagatg agtactttgc 180
 atatattggt gattgcaaag aaccaaggc ttgtactggt ctactaaggg gtgctagtaa 240
 ggatctatta aatgaagttg aaagaaacct acaggatgcc atgtctgttg caaggaacat 300
 tataaaaaat cctaaacttg ttcttgagg cggtgctaca gagttgacgg tgcggctgc 360
 cttgaaacaa aagagttcat ctattgagg catagagaag tggccttatg aagctgctgc 420
 cctagctttt gaagccatac cacgaacttt gggtcaaatt ggggagtaaa tgtcatccgg 480

actatgactg ctctacaagg aaaacatgca aatggagaaa atgcatggat ggtatagatg 540
gaatactgca gatcactgca tg 562

<210> 9477
<211> 363
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103a07d1

<400> 9477

aaaaaaaaacc ccccccgata aataatgttt taaaaaaaaa aaaaacaaaa tttttttttg 60
gcaaaagggg gaggggggaa aaaaaaacccg ccccacaaagg ggggccaaaa ccccccaaaa 120
aaggggggaaa aaaaaggggg gaaaaaaaaac ccccgggaaa aaaaaccccc aaaaaaaaaa 180
atggggggggg ggacccaaat tttctagggg gggggggggg tccctgggga gattcccggc 240
ggggaaaaac cgggggggga aaagggaaaa cccggggggg gttttttttt ttcccccccc 300
ccctttttat aaaaaccccc aaaaaaaaaac aggggggggaa agggggggaga aaaaaggggg 360
ggg 363

<210> 9478
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103a08a1

<400> 9478

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tttttaatgt ttttagttgc tgcatttggg cttgtgggta atatcatcat ggctttgtta 120
ttgggtcatg atcatggcca cggacatgat ggcatgggc acggtcacgg tcacggtcac 180
ggacatggac atgatgggta tggccacagt catggattta cagtgtctac ccattgtgat 240
gcaaagcata caaaagatga gcaccatcac acacatgatg atcatgcaca ccatcatgat 300
gaaaaccttt caaaagatgc tcaccatcat actgaggaaa gatcacttgc accatcatgc 360
tcacaaagat gttactgaac ctcttcttgg tgaatcaaag gtggaactaa gaagaagaag 420

caatggaaca taaatgtgca gngngcttat ctccatgttc ttgnggactc

470

<210> 9479

<211> 472

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103a08d1

<400> 9479

ggggggcgga aaaaaaaaaac ccaaaaaaaaaa cccccctttt aaaaaaaaaat ttaaaaaaaaa 60
ccccctaaa accccccccc attttttttg gggggggccc cggaacccc cctccccctg 120
gggggggacc ccgggggggg ggttttccct ttggggcccc ccgggggggg gggggggccc 180
ccccggggcc ccccccttta aattttcccc ccttggggga aaaaaaaaaa ggggggaaac 240
ccccaaacc cccgggggtt tttttccag ggccatttt tttgtgaaa accccccccc 300
tttaaaacca aaaaaagggg ggggggttcc cccccggga acccgccaa aaccaccaag 360
ggggtttttg ggagcccccc ccacgggggg gccaaaacct tttttaacc tcccccccc 420
cacaaggga caaaaataa ttggggggcc cccccggcc cccccgggg gg 472

<210> 9480

<211> 522

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103a09a1

<400> 9480

gcttcttgtt gttggaaaga aaccctagca agcgaacaa tggcagacgt tgaggtcgat 60
gtggcggtg cagcagcagc agggcagccg aagaagagaa cgttcaagaa gttcagtttc 120
aggggcgtgg atctcgatgc gcttctggac atgtccaccg atgaactcgt gaagatgttc 180
agtgtcgcg cacgtagaag gttccagaga ggcctcacca gaaagcccat ggccttgatc 240
aagaagcttc gcaaagcgaa aagagaagct ccaccagggtg agaagccaga acctgtccgc 300
accacctcc gcaacatgat tattgtgcct gagatgattg gtagcattat tggagtgtac 360
aatggcaaga cttttatcag gttgaaatca aacctgagat gattgggcat tatctggcag 420
agttttctat ttcatacata ccggttaagc acgggagacc tggatttggt gctactcact 480

catccaggtt tattcctctt aagtgaaaac tggactggg aa

522

<210> 9481
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103a09d1

<400> 9481

aaagatccta ccaagaacga aattccattc tatccattaa cacgttcaaa tagcatggag 60
aatcggcctt tgattccatc aagtcccaaa ttcgtttaaa taccatttca acaaaataaa 120
actaacttca aaagattaaa cagaaaaatc ttgatactat ggaattaagt catgataaac 180
catacgtcca aaatcataga taggcaactc aaaatcaaat gcgcaacaac aaacaaaatc 240
tcttatagga gttgaaatct tcttgagaac cactacaaac taaaatgtag cttcccagta 300
acagttttca cttaagagga atcaacctgg atgagtgagt agcacctata ccaggtctgc 360
cgtgcttaac gggtttgat gaaatagaaa actctgccag ataatgcccc atcatctcag 420
gtttgatttc aacctgatta acggtcttgc cattgtacac tccaataatg ctaccaatca 480
tctcaggcac aataatcatg tttcggaagt gggcgcgac aggt 524

<210> 9482
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220103a10a1

<400> 9482

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aacagatgtg ggtagaatag aatcacctaa attgataaag aaaaatcata aattcatgca 120
tcctaggcaa acaaggcagg ctaggtccca accttatcaa attttgattt tattttattt 180
ttatcttcta tttttatctt ttaattttat tatcttatct tttatcttct attttcttta 240
tcatatctta atttaaataa tttatcttcc ctatcttcta tttttatctt taaatctctt 300
atcctttctt ttaaattctt atcttatcta ctatattttc ttatctttat tttaaattct 360
ttatctattg cttttaaatt gggtttacat taatctaagt actaacaag tctatgtgga 420

ttcgacactc ggaatntccga gtactntact actngtgaca atttggtaca ctttgccatg 480
 agttaacaca tacatacctt tcttt 505

<210> 9483
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103a10d1

<400> 9483

ggcacgctat ttatgccatg attttcttac ttgatttaca gtatctttta acttatttaa 60
 tacattatac caacccaacc aggagcaagt gccacaacc aaggacactt atcgacaaac 120
 tccgaagcag gacaaggaag gaaaaacca ggggcgatac aaaaatgcaa tttatgccac 180
 aactggataa gacgcacaag ttgcaagacc acacatgaat cagcgggaacg ccagaaggaa 240
 ggagacattc tcacccaac aaaaaccca tgaatttatt tatgagccac ccggggaggg 300
 ggggaaaaaa aagacacccc ccagggaggg cagaagaga cacatccgga gaagggccag 360
 cgcaaaagg 369

<210> 9484
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103a11a1

<400> 9484

gaaattgagg gtgaggaaac acaagatctt catctagcag aggaaagagg cctttaccat 60
 aactttgata ttgatgaaga aaccagattc tcttcagtct ataggggtaa aggtgttgat 120
 gatagtggat atgatgaaa tgaggacagg ctcttgatt cacataattc tgaaactttt 180
 gataatattt atggtttagt caataagagc ccaggtgaag caagtggtcg gaaaggcagt 240
 aatggagctc aaacgtggtc aaatttctcc tctgtgttcc atgcacagaa tcaactcagag 300
 ttatctcagt caagttctgg tgtggattta tgtcgtctg gttctaaaga tcatgctaag 360
 cagttagcat ctgaactccc tgccctgagt tgctcatttt cagatggaga aagcaggatt 420
 cagctgaact cagttaataa cctacatgga gtcaatgatt atactgtgga agaacattgg 480

atacaagct

489

<210> 9485
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103a11d1

<400> 9485

atcgaaatcc tcccataagc cgaagatatt cttgtcattt gaaactcttc aagccatcca 60
ctcagttcat tcttttcaag cagagagaag ttgtcaagaa tgcattcaac tataagtggg 120
caatgatccc gtcccttata tggcatctca gggaggtaac ttggcatgta taaaacttgc 180
ctaggatgac caagaagttg tccatactgt ggtccatttg gatgaaaata tgggtgggat 240
ggcatttgtg ccgcttgtgg attatatacg actggttgtg gccctgcaa agtagtccca 300
actccaatac ccatggacat ggctggcata tttggtatgg tggatacagt agctgggaaa 360
tagaaggaac catcagacat gggggagcgg ggcctagcat gtgattgaga cggaataaaa 420
ctctttgcat tagggttgag cctgaactcc ttggcattgg gattcagagt tgatttt 477

<210> 9486
<211> 314
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103a12a1

<400> 9486

gccgtgagag agaggggacat tccgtgagaa tgaagttctg gtctgtgtca tagaatagat 60
gaagaaagaa ggatcgtcaa cggcgggaaa aacgaccag tatgatcccc tttttagaga 120
atgtgtcaa gatcacaccg accgctttga gttggctgat tccattctgc ataactacat 180
atactgtctc ttgatgaagt tccatacgaa ggtgttcac cttacaaatc aaaaactcaa 240
caatacgcac agatctacca tgggttacat ctctcgactt ccctttcttt cttttccaaa 300
tggaagtgtc agtc 314

<210> 9487
<211> 464

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103a12d1
 <400> 9487

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 gggccgcctt tttttttttt tttttttttt ctttgttttt tgcagttcca agatgaatgt 120
 ggggggggct gaacaacaat aaacctctag agttgtgctg agatcatcac cttaggaagc 180
 cctttattttt acaatatacc gaataaagaa catccttcaa ctttcccagt tgttcgtaaa 240
 aacaggacac gagttcgttt agatccacaa ttattgggca atggctagtt ttttttaact 300
 tagtgatgc tcatggaaat aataacatgt atgaaacca gctaaaggaa atgtttaagc 360
 gtttcctaata accaatagaa agtggttgat gattatttat gagcagatga cacacttagc 420
 tcctgaatca catccaccat ggttggtcct tggctcggaa gctg 464

<210> 9488
 <211> 653
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103b01a1
 <400> 9488

gattcatcgt gtccttaaaa taaaactttt gaattcaaata gagatctaata tagtaattac 60
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 atcattattt atatatataac gtacaatagtt tttgggcact ggcatggga ataaagtagt 180
 ggtccactgc tacatgtatg aacttagagc tatgattaat gtcaatgaag ttattactta 240
 aaaatgttaa tacaaaattg aggcagactt cattcctttt ttttaataag aaaggggcca 300
 ttaggatttt gaacttagaa ttttgttcaa gctgctcttt ccatttaggt cgatcctagt 360
 gaatttcaaa acttatagct catttctata tactgtctat tatagtagac atacctgttt 420
 taccacacaa tatttaattc taattctctt attccatgaa cgaacacact ataattaata 480
 catgactntg agaaagagat tatgtgttaa aattctctta ctaaccagaa ttaaccattt 540
 natattatca atcanaagaa gaaattanaa aaatcaacct cagaatcttc attgtaaata 600

002220103b01d1

tttatatata tatagatata tatatatata tatatatata tatatatata tat 653

<210> 9489
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103b01d1

<400> 9489

gttagaatat ctaatacact aaactaaaca ttaatttgaa gcaaaagtat tactcatcat 60
tttcaacaat tataaaatca ttttaattata taatacaaaa attaacataa ttaatgagag 120
tctacaaatt ttctctaaat ttacattact ataaaattga gaattcttga acttataagc 180
aattttaaag tatgaaggga ggaaaaaaa agactaacta gtagcagcat caacaaattt 240
tccatcaaat aagagttggg atgtgttcta ctttaactag tggtttaatt gggtcttcaa 300
tggcagcagc agtgctgaat ttactgagcc ctgcaccaag agcaccactt ccacttgaat 360
atcagacaaa aggggtcaatt tattaaaata aaataagacc attaatgaaa gctccaaagc 420
ctaaaaacac caatcataag gcatgatcat tcatca 456

<210> 9490
<211> 584
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220103b02a1

<400> 9490

ctcgagccga atcgggtcga ggtttgtcac gagaccata gtgctgcaa attatagtaa 60
ctctctttct ctatctgaag aagaagaagt tctgaagaag catgtgtgga ggtgctatca 120
tctcagactt cattggtgtg aagcgtggcc gcaacctcgc cgcgcaggaa ctgtggtccg 180
agcttgaccc tttctctgac ctcttggct tcgataccac caccaccacc accaaccaac 240
cacccttcc agacaaaaaa gtgggtgtcat catgtgagaa gaagaagaag aaaagtgtga 300
gtgcagaaaa gaagagtggg gggcgagctc ggagaacgtg tacagaggaa tcaggcaagg 360
gccgtggggc aagtggggcg cggaaataag ggaccacat agggggctgc cgcgtctggc 420

tcggcacctt cccaccgtc gaggaatgcc gccgagccta cgacgaçgcc gtcaagcgca 480
 tncgcggcga caaggccaag ctcaacttcc cgggccaccg ttccgcaccc ttcaaaanac 540
 aacgctgcct cagccctgac accaccaccg aacanagcag cagc 584

<210> 9491
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103b02d1
 <400> 9491

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 ataatcatcc ctctcatgat acgttgcacc taattatgaa ataattcgac cgtacaaaac 120
 agaaattacc aaagcgagag gacaagacaa aacagaaaac taagaacaca tgcaccaaca 180
 tagttttata aaactataac ttaagaaaac gccatttatt aattaatcaa ttatctccct 240
 tctagtaaatt taagtgcagg gtgggcacaa cgacttcgtg cagcatccac aggtcatcca 300
 tgttgtccca ctacgcaccc atgttgtcca accctaaaaa ccgttcaagt tgtttcaggt 360
 cgagttcatc t 371

<210> 9492
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103b03a1
 <400> 9492

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 caaactcgaa gacgatcctc gccactgggc tcgcttagcc tgtgtctgca ccaaattctc 120
 ttccctcggt aggggatttc tggtggaaga ccaaagtctc cctcaccatc cccaagacc 180
 tctctccgc cgccgcctcc gacccccctc tctccctcca caaactctcc ttctgtgcc 240
 ccggcctccg ccacgccggc ctctgttcg acacctccga ttccggcctc gaacgcgacc 300
 tcggccccgg caacttcaac gtcatcaccg atgattctcc ttcgaaacca ctccaccacc 360
 accaccacca ccaccacaac aacaacaaca acaacctcct caatccgatg attggtcttc 420

ctcttgttgg tccctttacg atgacctcta ctacgacacg ctctacgtcc caaccgagtc 480
 cgagtcgccg cgattaacgg gaatccgtag cgtaagagcg ggcgtggatg tggcttcgat 540
 caggcgtgca gcaaga 556

<210> 9493
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103b03d1
 <400> 9493

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 tcacactgcg atcggaattt cacaagcag atttccaatc ttaagtaata gctgaaataa 120
 tggaatggaa tgtgaaaaca gcgtatagcg gccttctcag gagttattta aaggagaaac 180
 taagatcgcg aaaatgaaaa tgacataaat taggcataaa acgcagtaga gagttcaagt 240
 gtagatggga agatcgggtcc aggcaccaga gacatgtcca ttctcacaaa cataagccct 300
 aaccataggc tccccatcgt catggaagcc aaagccaggc ctcaagcaaa aggaagagtg 360
 cagatccac gtgaactcac acgcgcagaa ggcgcaaggc agatccatct tcctgttctt 420
 cccatcctga ata 433

<210> 9494
 <211> 542
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103b04a1
 <400> 9494

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 tgcaagcata cgtgtgattt tctggcacia gaaggaaaaa gaaaaaaaaa aacaacgtgg 120
 aatcgcaacg agataagggtg aaacaccaac gttgtgaggt gtgaacaaag tgggctctgt 180
 tatcaatatc atcgggtaat tgaaactttt tagtgggggt tattgggtctg aagcttggtg 240
 gagttgggag tagttgaaga tgagaaacgt gcttcgttct ctgcgacatt tgcgaccagc 300
 ctttcagagg caagattgtg tattgatcag tgtaaatgtt gcagaagaac ctccatgtca 360

cattggaaag agctgtcata tccatagttc agcttcagag ttgttgatca tgctgagacc 420
 aacttttaaaa accatttggt tacaacaacc acgaaacctc tctcaaata tgctgcaaaa 480
 ctcacaaata gagaaacaaa gcaaagctgg cctctttgtg agtatgaacg aagaaatgat 540
 at 542

<210> 9495
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103b04d1
 <400> 9495

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 tacatcaaata caattataca atatttttgc aaacactaat aaatatttga tgctatctaa 120
 cacatctctc cctgagctgg tgtcaaactc aatgctctga agatggatgt ttttttggtt 180
 gaaatttttg ttgttcacaa tattattcat ttgccccac ttctactcta tggatcaaca 240
 ataggagcca aattgagcca aatctaatac tctgccgatg gatgggtttt tatttgaaat 300
 ttttggttgc tcacaataat tactcatttt accccacttt cactctgtgc tacaacaata 360
 gcaaccgaac tgtgatacga ggttttggat cctttcttca agcttcaacg gcattctgat 420
 ccactctttc tttcttttct gctaacaatgg c 451

<210> 9496
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103b05a1
 <400> 9496

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 acactacaag actgatcgca ttttctttgc caacaatgta agctacttag tgctaccat 120
 gagaacccaaa taagacacca cttgtatcaa aaattgaagt tattaattat gtaatgcaga 180
 catatcttcc aagcgagaca ccggctccac ttgtcaagta cagagaagaa gaattgaaga 240
 atgtaagagg ggatggaact ggtgagcgca aggaatggga taggatctat gattatgatg 300

tctacaatga cttgggcat ccagataagg gtgaaaagta tgcacgccc gttcttggag 360
 gttctgcctt accttaccct cgcagaggaa gaaccggaag aggaaaaact agaaaagatc 420
 ccaacagtga gaagcccagt gattntgggt accttccgag agatgaagca tttggtcact 480
 tgaagtcac agattttcta gcttatggaa tc 512

<210> 9497
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103b05d1

<400> 9497

aaaaagttca aacctgcatg attgcattta ttattttggt ttccattaca caaacatggt 60
 ttattaatga caaatacaag tacattcagc cactccaaat acataactta aacatacaca 120
 actgatgaag gaatcagatt ccttctatct cacatttatt taaagccagg gacagtactt 180
 cagcaacat agagccctta gatagagata ctgttgggaa ttctcttgaa agtcaatccc 240
 tcctcactag aaggatagag caaagtgtta ggcatttttag ccggcccata gcggtttctc 300
 aatgtctcat tattgttctt ctctataagc ttcttttcaa tctcttcaag attctttcca 360
 aacctcttaa aggcccttaa tggcccggca tcagaagtcc agtagtcacc gccatctctc 420
 tgccaaggt agaactcatc agatgcgtgc cttgataaaa tttctataat tgtaagggtca 480
 atgagggtct ctttttgcca gtaatagtct tcaaaaactc cttc 524

<210> 9498
 <211> 597
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220103b06a1

<400> 9498

tagactttga gtttttgggt aacttgagtg gtgacctta cactctccac acgaacgtat 60
 tcagccaagg gaaagggaa agagaacaac agttccatct atggttcgac cccaccaagg 120
 acttcacac atactccgtc caatggaatc ctgcaagcat catattctct gtggacggga 180

ccccataag ggagttcaag aatttggaga caaaaggggt tccattccca aagagccaac 240
ccatgagaat atactctagt ctttgggaacg ctgaggattg ggccacaagg ggtgggcttg 300
tgaaaacgga ttggagcaag gcccattca cagcctcata cagaaacttc aattcccaaa 360
cttcttgctc cactggccaa tcaactggacg ccacggggca ggcaaagatc cgttgggtgc 420
ataagaatta catgatttac aattattgca ctgatatcag acgtttccct cagggccttn 480
ctncagaatg ctccattgca tgagaatatn tagatcactg ctgcatatca ttataaaatg 540
atcctcatga cgtgacacac atgtgttgcc tatacgtaaa ttaccttctg ggtaata 597

<210> 9499
<211> 440
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220103b06d1
<400> 9499

aaaaactcca acaattttat taatgaaaat actttacaat ttcagcacat ataccctgcc 60
atgaatataa ttttgcacgc tataattatt tttcgccaca aacaatggag tagtgctcaa 120
caaagcacia accaacaata ataacagttt tagttgcatt aatttacaca agaaagtaaa 180
ttaacgttat aggcaacaca tgtgtgtcac gttcatgagg atcattttat aatgatatgc 240
aacattgaat taaatattct catgcaatgg agcattcttg aggaaggcct tgagggaaac 300
gtctgatatc agggaataa ttggaaatca tgtaattctt ttgcacccaa cggatctttg 360
cctgccccgt ggcgtccagt gattggccag tggaggaaga agtttgggaa ttgaagtttc 420
tgtatgaggc tgtgaatggg 440

<210> 9500
<211> 512
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103b07a1
<400> 9500

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ttcgtctggt cagaagcctg ctctgcatgg cgacatctca gagtctaaga aattgacaag 120

tgacttgaga gcaccttctg caagtgctgt tggagttgca cattcaaagc aaaagcttag 180
aactgtgagt tattctacga agaaccacaaa cggatttact ctcccaagga tcttagatga 240
aagctcaggc agagaaggca acaactgtga taacaataag gttaaaagga ctagtaaggg 300
tgtcaaatct atcagtgtg aagtttctgg gaaaggaaat gattttatta aagaagatga 360
gcccaattagt ttattgcctc aaaagaggat aaatgaagct tcttttacta aattaaaatc 420
gagaaagaag acttgtgtnc cgtcagcaaa tggtaaactc caaggataaa agtgacatct 480
cacgttgatg agccanctga agtcgatgac ta 512

<210> 9501
<211> 504
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103b07d1

<400> 9501

gaaatcagca ttattttgtt aattactaag gattgtacaa aattattatt attattatta 60
caactttaat ctagggacca gggataatgt tggcacaatt caggatggtt ccctaaatga 120
aacgatgact gactcaaaag ggggagggaa tatgatatta cgtacacttg gatgaagata 180
agacagtctt tttcctttta ctgggtttgt ttgagcagtt tcgggtgcta ctgcactttg 240
ggcaaaacca atcctcctca gggacagctg ttagtggagg atcgagcaaa tcgatatggg 300
taccgattcc acaccgacg gaaccacttt catcaccaca aatcagcatt acatctcctc 360
tatcccgga tccacatact ttgcaaatta tatcatcatc acgggaatct tcaggagcaa 420
cgagttcttc aacaatctct tctgccttgc ttttaagttt atcaaagat ttctctgccc 480
agcatgactg ccatataata catg 504

<210> 9502
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103b08a1

<400> 9502

gaaaacccta gtgagcatga ggctatgcga aaaatgaaaa atgagtttat ggtaaattgg 60
 gatgggtctgc gtacaaaaga taaagagcgt gtacttggtc ttgctgctac aaacaggcct 120
 tttgatcttg atgaggctgt tattaggagg ctctctcgac gattaatggg taatttgcca 180
 gatgctccaa acagagaaaa aattctcagt gtcatttttg cgaaagaaga tttggcacct 240
 gacattgatt ttgaagcaat agctaatatg acagatggat attctgggag tgacttaaag 300
 aatctgtgtg tcacagcagc tcaactgtcca atacgagaga tcttgagaga ggaaaagaag 360
 gagagaagct tagcattgtc tgagaacaaa cttttacctg agttgtgtag cagcgggtgac 420
 attcgtccct aaagatggat gattntagat atgcacatga gcaggtggtg tgcagtgtgt 480
 catcagagtc aacaaatatg aatgagctac tcccatggaa tga 523

<210> 9503
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103b08d1
 <400> 9503

ataatatcat aaaaaattta atgtacaatt tttggaaaaa aaaaaaaat aaagggaaaa 60
 actgaactgg agggggggggg gggaaaacgc caagggaata aaccaaaaac ataattaaaa 120
 caagccgggg cggggcgggc ccaaaagcaa accacgaaaa gcctacgaag cggggggggg 180
 ggctttaaga gggggaaaca aaaaccacag gccatcatgt tcaggggaaa ccaaagggga 240
 taagcaacct taacctaaac tgggggcctt ccaaactgtc gaaactgggg gggggggaag 300
 ggaaccaaag ggcaggaaaa caacccgaa aagggttga gaggggcaaa tccggg 356

<210> 9504
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103b09a1
 <400> 9504

ctttcgtgta cccatcggac ttacttaac ttattcttct ccaatcaaca gtagaggtac 60
 tgtcctactt attttgctgg gtctctcctg aaaaacacaa aacagagaga gcgagagagt 120

gagacaatga accccataaa ttagaagggt gagcacetaa cagaccata ccaccaggc 180
 tttctcttgt tgctctttcg acgagccaga cctctcaaa tacttgatcc cactctttat 240
 ctaggcccca tactacetaa acgatgagat cccacgagac aaatgctgag acactctacc 300

<210> 9505
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103b10a1
 <400> 9505

caacactggt atgagcatgc tcttatgcag agaggggcct gagttataaa aaggggggga 60
 caggctaaca tggctctctc atccccatcc tggggtggca ggaacagca atctggcccc 120
 aacaacccca gcagcgggct ggggtgagcat gaggaacc gcaccaagc aggtctcccc 180
 aggatcccca gggtagcagg gcataccgaa tgaggctactc ggaccattc tgtggcggcg 240
 cgcgctctgc ctctgcgggtg agttgccatg cgactaccgg tgtgacactg gtgtgttcta 300
 atgacaccca ctcaccttcc 320

<210> 9506
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103b10d1
 <400> 9506

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 ggccgcggcc gccctttttt tttttttttt tttcatttcc aaacacacta tctcgtgtat 120
 attaaattgg ggtgtgccaa aattttgcct acaataaac cacaagtga accaggaata 180
 taaacaaact ttcactgggt ttttcgaggg ttccctctcg atcactgtga aaacactagg 240
 caccgcatca gcatgatata tccctccaag ggaacactgt gaaaaacaac ggtctaaacg 300
 gttaaaccgg gccgaatcc gaatagcacc cccactcta acccttctcc agtgggtactc 360
 ttcccttctc cctaagaggt attcctcacc ccattccagaa tgaacaaaac acacgcgctt 420
 gacatgtttc cgactcact caccacatgc cgggtggact ggaacttctc cggattgagc 480

cgagctttt ccttgacttg atcgaggatc gcgggaccac c

521

<210> 9507

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220103b11a1

<400> 9507

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atctcaccat agcaaaaaat catcaccaat cctcaagaat ctcatagcc attgtggcag 120

acttcaatat tcccatctct ctttggacct ctgaccttt caaacctagc accaaaacca 180

tgagggtaaa tgatgatgaa accctttcca atctccttgt taatttcata gaagagatcc 240

ttcattatgg ctccaacaag cacagtatta ttccctatat caagttcccc aaacttgatt 300

ctgtttccaa ctccaagac attttcaacc ttgttttct caccctcttg ttctagttt 360

gcatatatga agccccttct gatcttcgtt ctggttgct tagcactttg aaagaacaat 420

tggcaggggtg tcaatcaagg caagcatcaa aatttctgat gaaactctng ggtccaacc 480

tggaagagca gtggatgcg 499

<210> 9508

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103b11d1

<400> 9508

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acagaccaat aatttcactc cgttatcatt tcctttaaaa ttataattaa ccacatgttc 120

aataaaacga agaaaaaaaa tacatatattg tgatataata aattggtttc tatgggtccaa 180

atcaaagttg attgatatat tcctatgcgt gactcctaag ctatgcaatt ttgaggtaga 240

ccgtttccct gaactogaac ctctgggtt catggtagaa ggtcttgtgc ttgttaggcc 300

aatacgttat ccatatccaa ccccttatct cccactccat tgtcttcccc acagcacctt 360

tgtccacttt ccaacacaca ctttctccat actcatcacc agcaaagata acccctcctt 420
gcctcgtgaa aggacgataa gcacttgagt acctgtcttt gaaccatg 468

<210> 9509
<211> 400
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103b12a1

<400> 9509

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ccgggtctgg tacctttaat ttctgtcgag acttcattaa ttgatactgg tgctggtggg 120
gcgtgtataa ttgaaggcgc gccacaatac gacccgcat acgatgactt ggtagccttc 180
tgcaaccgaa tgggtgtagcg ggagcaacct ctacatgcca tatgggtgta ccgcgtagca 240
gagcgtacat tcttgggggtt tgggtgtgcat tttggacacc agtgcttcca cagtattccc 300
taacaaacgg tggacagagt actaccggtg cattattgga tcatatagtt gaggaccatg 360
ctgtttctgc atgcctgaga catcaagctg gcttgccaaa 400

<210> 9510
<211> 412
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103b12d1

<400> 9510

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ggggaggcac attacattca ttgatgatga ctaataaagc ttgaatgaac cagagaagat 120
gaggactcaa tgatgaagga gtaaaactga gaaatgacca ctgatgcgca agagaggaga 180
ggagacactc atggaataca tacatggtac ttaacaaaaa gaaaaagtat acgtacctac 240
gcatatggga taaaaaatac acccttggtc accagcatgc ttgtctacaa tgcatgcat 300
gcgccccatgg gatgagtctt atgtcccaa gaccctcgac aactgagatt gatgagagga 360
aaagacgaac aagcctaaat tagggaactg ctgatacata tctctcagac tt 412

<210> 9511

<211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103c01a1

<400> 9511

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cacagattcc cctctttcga atttcgatac tttgatcaga tccacaacac ttcttcatcc 60
atgacgcttg gttcttcagg atccagtgtc gtggttccaa ggaacttcag attgctggag 120
gagcttgaga aggggagaaa aaggaatagg agatggcaca gttagttatg gaatggatga 180
tggcgatgac atttacatgc gctcttggac tggaaccatt attggtcctt ataatactgt 240
acatgaagga agaatttatc aattgaagct gttttgtgat aaagactacc ctgaaaagcc 300
cccgagcgtc cggtttcatt cacggatcaa tatgacttgt gttaatcatg aaactggagt 360
ggttgaatca aagaaatttg gtcttcttgc aaattggcaa cagaggttta ccatggaaga 420
tatactgacc cagctgaaga aggaaatggc ggcttcacat aaccgcangc ttgtccaacc 480
ttctgaaggt actcactatt agtgtccaag atcacactga tattgatcat attgcatttg 540
agtatgcatt atatagatgt aatactctga tccttctaaa tcagacatac 590
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<210> 9512
 <211> 540
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103c01d1

<400> 9512

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catcccttca acaaagttga caatgtattg caacaaaact ctatggagggt aaagatgaag 120
ctctttcgag cattccccag tatgttcttg aatttagaag gatccagagt attacatact 180
atatattgca tactgcaa at gcaatatgat ccaatatcag tgtgatcttg gacactaata 240
gtgagtacct tcaggagggt ggacaagctt gcggttatgt gaagccgccca tttccttctt 300
cagctgggtc agtatatctt ccatggtaaa cctctgttgc caatttgcaa gaagaccaaa 360
tttctttgat tcaaccactc cagtttcatg attaacacaa gtcattattga tccgtgaatg 420
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aaaccggacg ctccgaggct attcagggtg gtctttatca caaaacagct tcaatggata 480
aattcttcct tcatgtacag nattataggg accaataatg gctccagtc aagagcgcat 540

<210> 9513
<211> 551
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103c02a1

<400> 9513

cggctcgagg agaaatagag agagaacttc aagtgagggt gagagtgaca caaatctaga 60
gagagcacta gtactctaaa agtctattat attcttcaaa atatgaccat gcatcgcgag 120
tcttgggctt ttgtcttcgg cgttatgggc aacatcatct cctttggagt gttccttgct 180
ccattgccaa cctttttacca aatctacaag aagaaatcca ctgaagggtt ccagtcactt 240
ccttatgttg ttgcaactgt cagtgcgaatg ctttggattt actatgcttt cgtgaaaagg 300
gaaactgccc tccttctcat taccattaac acatttggaa ttgttgcgga gtcaatttac 360
ctttctatct tcctaattta tgccccaagg aagccaaggc ttacaaccat caagcttctt 420
ctcttacgaa tgtgtttgga ttccggggcca tgcttctatc aactctctac ctgtcaaagg 480
gagcatagcg tcttgctatc ataggatgga tctgccttgc tttcaacatc agtgctttgc 540
tgcacctctc t 551

<210> 9514
<211> 413
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103c02d1

<400> 9514

actaaaataa ttaattttca ttactcgaac attaattacg tatacaaggg aaaagtgaat 60
taaaatgagt ttgactgggg gatacactga gaaaagagaa tatactacgt tacacgtagt 120
agtacaatat gagagtgata tggggccaaat tagagaggct aattcttgcg cccaacagtt 180
acagctaccc gaacaggcaa atttaaacca cacctttaca ttaatcaaac gaaacactta 240
taccaaagac tacgtactat tcttgcattg tagatatgag cgatattaga tgtgacctca 300

ctcagtaaag taattgaacg ttttaattagg ttatttttctt tgtttaactt ttcttggcat 360
tgatcccttg tttctccaca ttcatataat ctcaatgacg aaatcatatc aga 413

<210> 9515
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103c03a1

<400> 9515

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agcaaattga gagccttctt tcgaaaatca cctctagaag atgtggtagt agttaagaat 120
aatgtttacg ataaagggtt cttccacaat attcaggagg ttatttcccc tttctctaca 180
aggcggctct ttacacaaaa caaattgaag tccagctgaa tatgctccta acatacgtgt 240
ctttctagtg ggtagtgggt ctatgcattt ctttagatta cccaataaat catcgtgaaa 300
accagaaaaa tgatatatta aattctattt ttaaattaga gttctagact agatgtagag 360
tgaaaattga ttgtttggtt gccccttggt tctctttttt tttgggttgg ttttgatgta 420
ttattcccta ttagaaaaaa acagaaagat accagtagag gaaccaggag tatatcacc 480
aagatatatt ttctttgcaa tattgatccc caagc 515

<210> 9516
<211> 378
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103c03d1

<400> 9516

atctgctaaa caagttggca tgttttgaaa tttgctcggt gatgtgaatt gtaaataagg 60
ttgcttgggg atcaatattg caaagaaaat atatcttggg tgatatactc ctggttcctc 120
tactggtatc tttctgtttt tttctaatag ggaataatac atcaaaacca acccaaaaaa 180
aaagagacac aagggggcta acaaacaatc aatttttact ctacatctag tctagaactc 240
taatttaaaa atagaattta atatatcatt tttctggttt tcacgatgat ttattgggta 300
atctaaagaa atgcatagac ccactacca ctagaaagac acgtatgcta tgagcatatt 360

cagctggact tcaatttg

378

<210> 9517
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103c04a1

<400> 9517

gccgccagcg cctatgcctg cagcgaggcc aatttcccca gccgctggcc gccgttcttg 60
cggacggagg agctcgccct cctagatata gatttcttcg ccagagtcac cgacgccatg 120
aaagcatcgc agctccaaag gctcttaccg acgtcgctgc gctcatcacc tacacggagc 180
gcgccctacg agatctcgtc cgtgaccaca ccggcaacgg aatccgggcc tcagatctcg 240
gcgattccga ttccagatcc aaacagcggg agcttctgga agcaatcgtg gatcagttcc 300
cctcggagaa agccgcgttt ccgatccact tcctctgctg cctcctccga tgcgcgatct 360
acctacgtgc ctacgccggc tgcaaaaccg agctcgagaa gcgaatttca gcgatcctcg 420
agcacgttac cgtcgacaac c 441

<210> 9518
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103c04d1

<400> 9518

tcaaactttt tagttatatt gttttttttt tttagagagag ggaaaagggt ttttccgggg 60
aacgtttaca cagtgtttta aacaattccc ctacccctt tgatgagaag atcgcaagaa 120
ttagagcgga gccctttttt ttgaaccttg gctttattca tgttcaccaa caagaggcac 180
gtagccgtga aaaccctaag aattctgcac attctctaca caaattgttt tctccctca 240
acccgaaaat ggttattttt gaaccggggg tgtacctccc aaaagaaata tgctcagaga 300
ttaaggggat tcaaattttg gctaagacac agagaacctt cttctttggg gcttggttaa 360
attcacgttc ccattttcca aatgggtttt tttcttcgac ccgtgtttta acgggggttat 420
cttccccagg gggttt 435

[illegible]

<400> 9519

<210>	9520
<211>	509
<212>	DNA
<213>	Glycine max

<400> 9520

4328

<210> 9521
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103c06a1

<400> 9521

aagcaactgt gcaggtcgtg gatttgcaag ttttcctttt gcctcgtatt acttcgaagc 60
 ctttggttcc tagctatcct tgctttgcca acatatacgt ctctctcatg gaaaagccac 120
 atgttgactt tgggcctaag ctcatagggg ctgatcttat gtctattccg ggggtctata 180
 ggattgctca ggagcttatt aaagatcagg ctgccaacat gtatctatgg cccaaaacct 240
 tggaagttca agtggttagat atgtcacaag ccttgaagag gcctgttggt attttacatg 300
 taacggttct gcaagcaatt aagtcaaaga agaatgatct tcttggtgca tctgaccggt 360
 atgtgaagct aaaagctact gaggatcaat tgccatcgaa nagactactg gtgagcacac 420
 gagctcaaat ctgaatgaat gaa 443

<210> 9522
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220103c06d1

<400> 9522

aatccaaacc aaatcatatc tatgcttttg gtatttcaaa cctttttatc tcaaacatgt 60
 acatgattga caaataaaac caatatatat ccaggaaca catgaaatac ctttctcacc 120
 ttttccttac actgcatgga aaacaaattt ttaaaaagga aagaagggga gaaagaaaca 180
 gaagtacaaa tctatggaga atttaatcat catgcttcca aggttctcca ctgcaactct 240
 atctggaggc gaccattctt ggagtctata agatggtact tctcattgat tcttttggtg 300
 gcaacaacat cccaagatt gatgtcgata taaccaatg gttccttttg gtggagcagg 360
 tttcttgatg aagtactgac aacctccaca tgcaatctat cattggtggg aggtcctcc 420
 accataaatt ggaactcatc ttccatctt ggatctctgt tctttttaat gcgcctagtt 480

tttt

484

<210> 9523
<211> 180
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103c07a1

<400> 9523

cgataatata tcagagctac gacgtcgcat gtacgcgttc gtcacgctac gtaatgctgg 60
gtagagcctc tcgcgtagtc acacaagtct atgggttccta agacgcttac gactatcatt 120
ctggcactga ggatagctca cacgcgcaga cgcactgacg atcacatcat ccgagactaa 180

<210> 9524
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103c07d1

<400> 9524

ctggactaca ggcgttcaga agtttggatt gatttctgcc gtaccctatg tctcactatt 60
gcaggtcgct cgcccttttt caatatataa tttttttttt tacgaaagca tattacttag 120
agaataggaa ggggattggc cctagaaccc ttccccaaaa agaaaaatgg aaagagagaa 180
acatatacta tattcaatca ttttggggta atacatttta attttcttcc ctaaactgat 240
catttcttta gtaaagacac catagtaa atgcataagctt tacttattgc tcatcttcag 300
ttttaactta ttgtgcacac atcactcggg tcgtgctttt acatacagct ctcgcttgtg 360
ttctgaatta ccctcaggca gcgagtaact tctggatttc cttttcaatt tgaaaaggag 420
acgcttgtgg tgggtatttt tcaataactt taccattttt gtaaaccaaa aatttttcaa 480
aataccactt ataagatcac ccaaaaaa 507

<210> 9525
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103c08a1

<400> 9525

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 tgtagcactt cttcttctgg cggaggtggg gcccatggct gaggtgtga catgcacccc 120
 aacagagttg agtccgtgtc ttccagcaat cacttccggt gctaaacctt ccaatgcttg 180
 ttgcacgaag ctgaagcagc aaaaaccatg cttatgtggc tacctcaaaa acgctagctt 240
 gaagcagtat gttaactctc ctaatgcccc aaaaaccggt gcttcttgtg ggattccctt 300
 tccaacttgt taattaatta agccttctta taattaaagt gtgggatata tatatatata 360
 tagataaaca gtttaattta tacancactt tgatcctaca aagcatcttg acacaagcat 420
 tcaataggat ttcaccactt tatcgcaaca ttntaacatg atgcgggtat aaagtaaatt 480
 cttggtgaat attttgataa cgatgttata ta 512

<210> 9526

<211> 418

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103c08d1

<400> 9526

ataccctact ctagaacatc attatttatt tattttattta tttatttata gctcttaaca 60
 catataattc cctggatata acatgtatac tggatcatatt caactctaga gagctttatc 120
 tgatatgac atccttaaca tattcaaaga tagctaaata cttaactggt taatatatca 180
 cacaaacgtt gagggacctt tatagagtaa ataataaata taagtttaatt ttatacacc 240
 aaactatgag tatataacat cgttatccaa atattcaaca agaatttact ttattaccgc 300
 atcatgttaa aatgttgcca taaagggggg aaatcctatt gaatgcttgt gtcaagatgc 360
 tttgtaggat caaagtgtgt ataaattaaa ctgtttatct atatatatat atatatcc 418

<210> 9527

<211> 332

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220103c09a1

<400> 9527

accttggttg gctctttgaa gtctcttttt attgtgccat tcacgcctat cgtgtgactg 60
 tgggtgccccaa ggatattcaa ctggcaagaa ggattcttgg cgagcgggct tgagttggag 120
 aatcctgtgt tagtgaagat ggattgttgg tgggtgctga tggtagttcg tactaagatt 180
 tttttttgag gaaaccgatt tgctataaga tccttcaacg tgtttacttg gcagtcctat 240
 taattgacat tggatatcaac tgcctacata cacttngaag gcctgggtga tagaaatttg 300
 ccatgtgtgt tgattttatg gatcctttat tt 332

<210> 9528

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103c09d1

<400> 9528

tcgtcctttt tttttttttt tttttttttt tttttttttt tttttttttt ttttaggggg 60
 aagggttttt ttccttaacc cggacgggca gacgcgggtg attgggggtcc acatgcctta 120
 aaaaaaaggg gaaccggccc cttttataaa aaaagttcct accaaaagag cgccgtaaga 180
 tcccatccac atacaaattt tccaggcttt cctccaatgg tgccctcccc cttttttttt 240
 ttaaacaacc ccggccacga gggccccgtt ggtgagttcc ctttaggcag ggacgggcca 300
 actgaaaccc ctgaaaagca agcgagaatc ccaaggaaca ctgaggagga tcccctctct 360
 ggggggaaag ttttcattcc ttatctcaaa gggggggctc cgaccacccc aggcgttcca 420
 ttccc 425

<210> 9529

<211> 471

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220103c10a1

<400> 9529

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 gtttgtacca ttgaggaaac cgaaaaaatt gcctggcaaa gttattttctc aagagtatat 120

tctggaatat ggaagagact gtcttgagat gcatgttgga gctgttgaac ctggtgagcg 180
 tgcttttagtt gttgatgatt tgattgcaac tggaggaaca ctctgtgcag ctatggactt 240
 actagagcga gtgggagcag aggtagtgga gtgcggatgt gtaattgaat tgccagaatt 300
 aaagggccgt gaacggttga acgggaagcc cttgcatgtg ttagtggaat gttttgagtg 360
 ctgtgaatag atgaagatgt aaatggggga gatgcgtcac caccaagtgg gtactttcct 420
 atatggaaat nctctgcttn cttcttttaa cgattaatga aatagaaaga c 471

<210> 9530
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103c10d1
 <400> 9530

attcaaaggt tgggttttat ttgaaataaa agggggggca agccaagaga ggatacacca 60
 aagggggcat acaaagccaa aaaactaaag tgtaattgtt tctagttcca aatacaatta 120
 tattgcccc aaaaaggattc ttttcaaaaa aaaatcccgg ggcaaagcca ttcacgaat 180
 caaaattggg gaaggccccc cctttcactc ccctttaaat aggaagaaac caatgatttt 240
 catccacgaa agtaccacct tg 262

<210> 9531
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103c11a1
 <400> 9531

gcattgcgtc tcaccagatc cttggaaatg aaagcctctc agcttctaga tgcaatacct 60
 aaaccatttt tgtctcttca tcttcgtttt gagccagaca tggttgctta cagccagtgt 120
 gaggaccgg acctgtctcc tgcttcatt aaagccatag aagcagcaca agtggacaga 180
 aaaccatgga ctggagagtt agcccggtgt tggagactac gtgggaaatg cccacttaca 240
 cctaacgaga cagctttaat acttcaatct ctttccatcc cactaacgac aaatatatac 300
 ctggcagctg gagatggttt gatggaaatc gaaggggttga tagataccta tgccaacata 360

gttactaaat caagtcttct cagtagagaa gacttcacaa gcatgcatgg caacacaaaa 420
 gctgctttgg attattatgt atctataaca gtgattcata tatagccaca tattttggga 480
 atatggatta gatggtttca agcatgagag ctttc 515

<210> 9532
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103c11d1
 <400> 9532

cggccaaaaa ttccattagg gatagtaaaa agcatcccat tcaatacaaa ataataaaaa 60
 agctgacaga agctaagggg ggacaaagca aaattaaatt aatattgtca aaactacaaa 120
 aacgatgaat ccgagatcca aaatcacaaac ttgaattcgc aaaaaccctc agacagagca 180
 gagecttttc cctttgcaaa atcatttttg ggaagcttcc atagggttg cttaaactcc 240
 ttccattaa aaccctgggg ggtaattgt gcaaaaccctc ttctgctaaa aaatagagtc 300
 ttggacaaac cattgaaagc tctcattggt gaaaccattt tatccatatt cccaaaatat 360
 ggggtatat atgaatcact gttaatagat acataataat ccaaagcagc ttttgtgttg 420
 ccatgcatgc t 431

<210> 9533
 <211> 85
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103c12a1
 <400> 9533

tatcaggctt ctggtatctc cttctattct ctagcaagcg gtacattgac aaacattgag 60
 ggccctgtcc tatattagct caacg 85

<210> 9534
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<223> Clone ID: jC-gmf102220103d01a1

<400> 9534

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gttgcataat attttctttt atgaaaatgg cgcgtaggcaa gaatctgttc ctccaaattc    120
tgtgggtgttt ttccttgatc ggtcttagtt cccaagcaca gaattacact tttgttgtga    180
gagaggccaa gtatacaaga ctctgctcca caaaaagcat attgactgtg aatggagaat    240
ttcccgacc aactattaga gccaacagag gagacacaat ttttatagat gtttacaaca    300
agggcaactt caatattact ttacactggc atgggggtgaa gcagccaagg aatccatgga    360
cagatggccc ttcatacatc actcagtgcc caatccaacc tggaaggaaa ttcacacaga    420
ggttgatttt tactttcgag gaagggacca tatggtaggca tgctcatagt gaatgggtaa    480
gagccactgt ctatggtgct atccacatat atccanataa gaataatccc tacccttttt    540
cccacccgat gcagagattc ccatcata                                     568

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<210> 9535

<211> 371

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103d01d1

<400> 9535

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aaaggaaaat ttaatgttat aaatctccga tgttgatgga caaaccctgc agtgcagggtg    60
ccaaaaataa taaaagaaca aaatcatgac aaatcaaagc acacggagaa cttttgtctc    120
taaatttgca atacacgcct tcctgaaaga aacgaaaaag gtaaaacaaa tgtgtaactt    180
attgttttca aagttcactg aatagggaaa atccagaatt taattttctt caacatgggg    240
gcatgtctgg cggtggtggt ggcaatctta gatcttcaga ctctccatcc ttcacaataa    300
aaactgtctc cataccccaa gattggtggc gttctatatg gcagtgcata aaccatactc    360
cagggtttac a                                                         371

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<210> 9536

<211> 560

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103d02a1

<400> 9536

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 gatccaaggc aaccagttcc agtaagaatt gtggacccat caaaggactt gaattcttat 120
 ggtctgggaa atgttgactg gaaagaaagg gttgaagggtt ggaagctcaa gcaggagaaa 180
 aatatggtgc aaatgactgg tagatacact gaagggaaag gtggagatgt tgaaggaact 240
 ggttctaattg gagaagaact tcaaattgga gatgatgctc gacaacctat gagtcgtggt 300
 gtgccaatcc cttcatctca gctgacacct tatcgtgttg ttatcatcct ccggttgatt 360
 attcttggtt tcttcttaca tattcgtgta actcacctg tgaaagatgc atacnccatg 420
 tggttgacat tcagtatttg tgagatttgg tttgccttat cctggctctt ggatcagttt 480
 ccaaaatggt ctcccattat cgtgagactt atcttgaacg acttgcttta aggtatgacg 540
 tgaaggagaa cccatcacag 560

<210> 9537

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103d02d1

<400> 9537

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 ttcagtggga aaaaaatata acatacacct caacatgact gattattctt gtaaggaaca 120
 tgttgataaa taaatataaa taatagaaac agagagggtg acattcccat ctatttcagg 180
 ggttcaatcc tccagacaac cttgataggc tgaaaattct tgctatatac acgacagcaa 240
 cttgtcatg aatcttaca gagaaactaac agttgatacc acattgacca ttggttaatt 300
 tgttggagtc agagggtgaag ggatcaatcc tcacccacag caaggagaat attgaagcaa 360
 gaagaacgga ccaaacaata acaatggttg gg 392

<210> 9538

<211> 526

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103d03a1

<400> 9538

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ttggattgga tacaacccta tataagcatt caacacctca cctgcgctgc gtgttgctgt 120
ttggcttgct ttcctcaccg aacgaaagta acttaacccg caaactccaa aataccctct 180
ctctctctct ctctctcacc aaccactatg ttgcagagac ctagacgccg ttgcgagggc 240
actgccatgg gcgccatcgt tctcgatctc cgtcccggtc tcggaatcgg acccttctcc 300
ctcgggatgc ctatatgtga agcatttgct cagatagagc agcaacccaa cttatacgat 360
gtggtgcatg tgaagtatgt tgatgaggaa cccctgaagt tggatattgc tattagcttt 420
cctgatcatg gattccatct tcgtttcgat ccgtgggtctc agagactgcg gcttattgaa 480
atatttgatg taaagcgact tcagatgcgc tattctactt ccttga 526
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<210> 9539

<211> 353

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103d03d1

<400> 9539

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aatttaacag gatttttatg tacaatttgt tacacagctg tacaattttc atagcccctt 120
gccacgacaa tgatgatgat ggatagctgc aatatttata cacagtgcc gtacaaccct 180
acctgttacc cctgaatttc catacacaac cttgggaaat cttggaacaa tatggagaag 240
attgagtaac caaaagcgcc atcatcatga ttggaagaga gttattgatg caatataacc 300
attcttcatt acctcaaagg caatattttg actaccatat acaagagtag aac 353
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<210> 9540

<211> 519

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103d04a1

<400> 9540

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 ccaattttgc ccactgaggt ggttttggga agtaacagat tgcacaagaa atcatcttca 180
 aacaggtcag cctcagaaag cactgatgtg gaggatcaga ggtttgagtt tagagcacca 240
 tcatggatca ctttccccag tgtcacttct tctcaaagaa gatcgggctc ggaggccgaa 300
 gtcgagggga aaaatgcaga aggaaggaat ttgagcaatg ttgacgacgt gtggctgttt 360
 gcagaagtct tgatgaagag attggtcttg cctctcctcg agagagattg ttcttggcac 420
 acaactttta accgtgggaa atttgaagga agcagatggg attagtaaat tctgggtctgc 480
 tttgcttaac tgatgagttt catcatgcat ggatgcaac 519

<210> 9541
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103d04d1
 <400> 9541

gggacccggg ggaaaaaccc ccccccccaa aaaaaggggg ggggggcccc cccccccac 60
 aggggggtccc ttggaaaaaa aaaaaaaaaac ccccccccaa aaaaaatgaa aaccaccccc 120
 cggggaaaag ggaacccaaa aaagggggag gggccccccc gcgggggggaa aaccccccat 180
 agaaacaaag ggaaaaaaa tttacaaaac ccccggggg gcccacaaaa accccaaaaa 240
 aaaaaggggg ggggaaaaaa aacccttctg gggggggggg aaaaaaaaat tttttaaaaa 300
 gatgtacaaa aaaccccccc ccccccncaa aaaggggaaa aggccctccc ttgggatttt 360
 cccccacaa tttggcccc 380

<210> 9542
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103d05a1
 <400> 9542

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caccttctcc ctcacgaagg aaagagaaga tgtgagagtg tgagagtgag agcgaatgcg 120
agtgttgga gaggaagg agatggcgaa acggcgctgt atttgacat gtggaagaag 180
gcggtggaga gagagaggaa gagcgcgagc ttcaactcaa tagcggaccg cgtggcgga 240
aatactgatg acaacaacga cgacgatctg gagaagaaga ccagtgagtt ccagaagctc 300
ctccaagtct ccgccgaaga gcgcgacagg gtgcagcgca tgcattgtca tcgatcgcgc 360
cgccgacgnc atcgccgncg ccaggcaact ccttcaggaa cgcagtgccg ncgattccag 420
ccaccacgaa gccaccgtcg acgaccgacg tgacg 455

<210> 9543
<211> 481
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220103d05d1
<400> 9543

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cttaaaggct taaagtacta gaagagctta aaaatgatca tcatacaagt tggcgtatta 120
ccatactaaa gacgatgggg gtttgaata aggttcctat ttatttttta taaggtttga 180
gcaaatcaag gttcctgaac ttgtgtgatt tccagtattt cagatgggtt gggaacttcc 240
ctgagctgga cggagttttc gaagcaattg aagaaacat aatgggggaa tttctcatac 300
caggtttctt ctcttgcgtg tgtgtcccag tggtcccaa aactgctctg gccgtacttg 360
tgaatccaac cagagccatt gtgttgctca cccaagttc ggtccagcg gtcgcatgc 420
ctaccttccc accagatttt cccctgcttc acaccattag catttgatc aaaattttta 480
t 481

<210> 9544
<211> 361
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220103d06a1
<400> 9544

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caccttctcc ctcacgaagg aaagagaaga tgtgcgagtg tgagagtgag agcgaatgag 120
agtgttggaa gaggaagaagg agatggcgaa acggcgctgt atttggacat gtggaagaag 180
gcggtggaga gagagaggaa gagcgcgagc ttcaactcaa tagcggaccg cgtggcggca 240
aatactgatg acaacaacga cgacgatctg gagaagaaga ccagtgaagt ccagaagctc 300
ctgcaagtct ccgccgaaga gcgcgacagg gtgcagcgca tgcagggtca tcgatcgcgc 360
c 361

<210> 9545
<211> 367
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220103d06d1
<400> 9545

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cttaaagggt taaagtacta gaagagcttt gaaatgatca taatgcaagt tggcggtttt 120
ccatcctaaa gacgatggag ggatgtaata gggctccttt atctttttta tagggcttga 180
gcaaattaag gttcctgagc ttgctgtgtt gccacctttt gagagggttt gggaacttcc 240
ctgaactgga cggtgttttc gtggggattg aacaatccat agtgagggaa tttttgatac 300
caggcatttt attttgcggtg agtgccccag agggccccac aactgttctg gccgtacttg 360
tgaatcc 367

<210> 9546
<211> 469
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103d07a1
<400> 9546

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tttcagtttg tgtgggtcat ctttcttctt ctcttccct cccccctctg taacaccccg 120

cttctctgaa tcccccttct gttaatcatc tgtctttcaa gctaagattt tcggggttgt 180
 ctattaattc accaagaagc aaacttagaa ggatttttcg aaagccaggt gttttcagaa 240
 acgagatcca gggtttattg tcgaatttcg ctagtcaa at taattttcat aattattttt 300
 ttctttgaaa ccagccagag gggtattttt gatccctaaa gctaatttct ctctctcttt 360
 ttttatttcc gggactgaag angtatgcct atttgaaatc tccttcatcc tttcctttct 420
 tgtagaaaac tttctaaatt gttttgtcag tgggtgtttt aattaacca 469

<210> 9547
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103d07d1

<400> 9547

agtagaataa tatattttat aagatgatga aattgaagta gattacagcg atgcacttga 60
 aaaacatatt aagcggacta attctccctg gtcaagcaag aaaaaacca gctgtgagca 120
 aggtagagag attatacaca gaatagtact agcctgcaa ttgccaaaaa ctccattgca 180
 gtagcagcca cctaagagac actaagacct agactagacc atacataata ggacacttca 240
 cagagaatcc caatcgatct cataagaggg gtacttctgg agattataat tatccgaatc 300
 accttccac tgagcctcgc tcacgtcagc aaacgtcaga tccgaaagcg gcgaagaacc 360
 ttccgacgac caggacgcag ctccacctt acaagagttg ttgttctcct tgtcggaaac 420
 aaccttctcc gcgagtttgg aacgcgac 448

<210> 9548
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103d08a1

<400> 9548

tgacgaagga gaaagaactt gtcctctctg tgctgaagag atggatttga cagatcagca 60
 attgaagcct tgcaaagcg gttatgagat ctgtgtctgg tgctggcacc acataatgga 120
 catggctgag aaggatgaca ctgaggggag atgccagca tgtcgatctc cttatgataa 180

ggaaaagatt gttgggacag ctgcaaactg tgacagattg gtgaatggag ttaatatattga 240
 gaaaaggatg aagactcaga aaacgaagtc taaatcaact gatgggcgta agcaactcag 300
 cagtgtgcga gtgattcaga ggaaccttgt ttacatagtt gggttgcctc tcaatcttgc 360
 agatgaagat cttcttcagc gaagagagta ttttagtcag tatgggaagg tcttaaaagt 420
 gtcaatgtct cgaacagcag ctggtgccat tcaacagttt ccgaatgata cctgcagtgt 480
 ata 483

<210> 9549
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103d08d1
 <400> 9549

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 atagggattg ggtattgggt tataatctgt tcctcctaata taaaaatata atgagtataa 120
 ctttttcttt attcaattat tttggggtaa tacaagtata attttcttcc ccaaactgat 180
 aatttctttt ttaaaaacac caaaggaaat tgcatagcta tacttattgc tcatcttcag 240
 ttttaaccta attgggcaca cataactcgg gttgtgctct taaaaacaga tcaagtttgg 300
 gttctgaatt acacctaagc agcaagtaac ctctggataa tctttttaat ttgaaaagga 360
 gacgccgttg gggggaatct ttcaataacc ttacccttt tttggccccc agaaattgtc 420
 aaaaataccc ctttttta 437

<210> 9550
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103d09d1
 <400> 9550

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 tttggttcatt tttttttttt cttttttttt tggagaaaaa aggggagggtc aaattttccc 120
 tttttaaaaa aataccccgg cccttaaggg ggtttccgcc cccatccac aaggggtctt 180

taaaaaaccc aaaactggtc cccctcccc aaggaaaaac cttaaagggtc caaaaaaggg 240
 gttttggccc cccaacaaga tacccctggt gtttcaaaaa cccttttttt ccaccccttt 300
 tttttttttt gggccagaac cgtctatcgc actttatgaa aaaccctccg ggtttaaggg 360
 gaaaaccccc ttccttgagt aaacccccca aaaaaacctt ttggcacccc atccccaaa 419

<210> 9551
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103d10a1
 <400> 9551

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 aaaataacct tggaaattct aattatggtg acatggatcc tcgtagactt tctggtcttc 120
 cagcaggtag cttaagtgc aaggatgggtc agtctactag aaatgatgga tctatttgct 180
 cccaaatgca gtcagattca cctaagatga agattgctca gtcacaacat tcattatctc 240
 aacagcagga gcaattacag cagcagagta acagaaaaag aaaatctgga gctgccaata 300
 gcaactggtac aggtaacact gctgctcctt tcctacttc atcaccatca acacatacca 360
 cctggtgatg gattaaatac agcaagcagc atgcagcatg tccaaaagag catgatgatg 420
 tatggtacag agggcacagg aggccttgca tcacgtcga atttgctgga cgacatggat 480
 cg 482

<210> 9552
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103d10d1
 <400> 9552

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 tcaacggtgg gagaaaccaa ctaagattaa gctagtgatg aggtttggat agactcaaac 120
 ctcatgcca ctattatata aaaataaaaa agaaacttt cagagacccc tttttgcttt 180
 caatataggt ctctgatttc tttcatatac agtactactg acaaagaata tatgcatgat 240

tagaacctaa atcaggaatt ttatttccac agctttacat agttgtcatg acttgcagag 300
gcaaccattc cagtgcagaga agactgagcc aaagcagata ttacattttc atgtgtagta 360
attgtcatgc ttttgttctc tgtcatgttc cataactcca aggatgaaat tcctccaacc 420
accaacaaag ttgaataact tggatggaaa acacaggaat gaaattgggtt cccaggggag 480
ctgaactcat gaatgcattc tcctnctgag gtcagactcc aaaccttcac caaatttgaa 540
ctcacagatg ccca 554

<210> 9553
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103d11a1

<400> 9553

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ctacgatgcc aacgtggacg attacttagg gtttttctgc gcactaaact actcgtcatt 120
tcaaatcaag cttgctgcga gggggggact atacgtgtga cccggagaaa gggtaccgag 180
gggaggattt ttattattcc tcttttgccg gtcctatgga tacagcttcc gggattgggg 240
gaggggtccga tactctgaag accgggaagg actcttgggg tttgacttac gtgggagctc 300
c 301

<210> 9554
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103d11d1

<400> 9554

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ttatcttttt ctatgtacaa ttattgttat tattccatat ataaagtttt ctctgaact 120
tcagcctacg gaataaaaac agcaaagtga ataagtgaga tacataataa aaacaagccg 180
tatcgggccg ggcccaaaag caaaccacga agagcctaca acacttgagt gggccctttt 240

atttgggtca tacattttcc acagcccatc atgtccagct gaacgcaatt ggactaccaa 300
 ccttatgctt cccatccgtc cattccaaac gtgcgaagct ggtcgtccca gacggcatcg 360
 aagtgtatgt aaacgacacc gtatagtcct tcttctcgta caattccgtg aaactcaacg 420
 tattcggttc caccacagtc ttcacttttc gaatccccca cgacatcacc gaagctttgt 480
 acgttcccgg agnctccacg ttagtcaaaa ccctagagta cttcacggtc ttcagagtat 540
 cggaaccctc cccaatc 557

<210> 9555
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103d12a1

<400> 9555

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 gcttcttcca tggctctctc atccccatcc ttggctggca aggccgtgaa gctgggcca 120
 tcagccccag aagtgggaag ggtgagcatg aggaagaccg tcaccaagca ggtctcctca 180
 ggaagcccat ggtacggccc agaccgagtc aagtacttgg gccattctc tggcgagccc 240
 ccgtcctacc taaccggtga gttcccaggc gactacggct gggacactgc tgggctttcc 300
 gcagaccag aaaccttcgc caagaaccgt gaactcgaag tgatccactc caggtgggcc 360
 atgctcggag ccttgggctg cgtcttccgg agttgct 397

<210> 9556
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103d12d1

<400> 9556

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 gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgtcac 120
 tttccgggga cgaagttggt ggcataggcc caggcgttgt tggtgacagg gtcagcaagg 180
 tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240

aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa 300
gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca 360
gtgacctcac cgagggggcc accagcaata cggtaacctt caacggcacc cattaggata 420
acttgtgtgg ccagatggc gaggatgctc tgggcgtgga tcaggcttgg gttgccaag 480
tagtcgagcc caccctcgct gaagatctgg gaccgc 516

<210> 9557
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103e01a1

<400> 9557
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tttctacaac actggtgctt tgtgctgggt taagtccaac gccaatctga agcagcaagt 120
gggtttggca cccaagaccc atttgttcat ttgaggggaa taatcagagg aagtttgttg 180
caatggcttc taccgttcct gtggagcaag tcaacaatgg cccctgcag gtgacaggtg 240
actccttcat cagagagcat ctgaggaagt tggctcctta tcagcccatt ttgccctttg 300
aggttttatc agctcgcctt ggacgtaagc ctgaggatat cgtgaagtta gatgctaatt 360
aaaatcctta tggccccct cagaggatcat ggaagcccta ggatcaatgc aattcccata 420
tgtctatcct gaccagaga gccgcagatt gcgcgcagct cttgcccattg attcangcct 480
tgaagctgaa tatattcttg canggtgtgg t 511

<210> 9558
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103e01d1

<400> 9558
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atataaagct acatccacat cccttgccaa aatcaacata ttttcttcta attttgacgg 120

ctctatataa agattagcta agaggagttt agcatgacgt gttacaatat ttattacatc 180
aaattttcct cctacgagag tctcttgagg cacttcataa gtgtatctgt ttgttcaggc 240
ttcccaacag tcacacgaac gtaccctttc agctctttct tgtcatagt acgaatcatc 300
acacccattt gtgctaggtc ctcttttagc ttctttgcat cctttcctga tgtaacctca 360
caaagaatga agttagaatg gcttggaat ggccggagga atggaacttc tttcaaaagg 420
tcataaagtc tccctctttc tttcaacaaa gcatnttta cattctctag ataggttagga 480
ttttgcaatg ctgcacatgc agaaatttca gcag 514

<210> 9559
<211> 524
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220103e02a1
<400> 9559

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tgaagaaaga ccttttcctc caattgcaga gtcaaagttt aaggcctaag ttctctcagc 120
tctcattcaa ccccacttcc atcatcaact tcttcctttt cttcaccocg tacattcaca 180
actctggccc tcttcaaate taagaccaa gccgctcctg ctaagactaa gggtacaaag 240
ccaaagcaaa aggttgaaga tgggtatctt ggcaactctg gaggatttgg ttttactaag 300
cagaacgagc tctttgtggg tcgtgttgct atgcttggtt ttgcagcatc actgttgggt 360
gaaggaataa ctgggaaagg aattctagca caattgaatc tggaaactgg aattcccctt 420
tatgaagcgg agcctcttct tctggttttc atcctcttca ccctgctagg agccattgga 480
ggtttaggtg accgtggaaa atctgttgat gacgaaccta ctac 524

<210> 9560
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103e02d1
<400> 9560

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aaacaaaagg gttagtgtct aatcaccctc cccctcatct gtaacgaatt tgccagttcc 120
 aggattcaaa gcagcaatga agaagaaaag aacattgaac aacactaggg gctcgatttc 180
 gttgattggt accccagtct caatgttgag ttgggctagt gctccctttc cggttataat 240
 ttctccaatc aatgagaaaa cgaaacccaa ttgagccaat cttcccacaa atagctcggt 300
 tgctttcgtg aatccaaata aaggacctga accaagacca agagcttccc tgaagccttt 360
 gcctggagga ataacaccnt cagtagtagg ttcgatcatca acaaattttc cacggtcacc 420
 taaacctcca ttggcntcta gcagggtgaa gaggatgaa 459

<210> 9561
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103e03a1
 <400> 9561

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 tcaccaatt caattcacgt accttggaat cgattcttag ggtttctgac tcctttatgt 120
 gtttgtctcg caattgatca tcgcaaccac aatgtccggt cccctcgatc gttttgccag 180
 accttgcttt gagggggtttt cgggcagtga cgagaagaag gagaggagat ctgacttcga 240
 gaactccgag gatgaaagga ggaccagaat tggatctctc aaaaagaagg cacttaatgc 300
 atcctccaaa ttcaaacaca ctcttagaaa gaagagtagc aagaggaaaa gcgatggccg 360
 tgttagctcc gtttcaattg aggacgttcg cgatttcgag gagctccagg ctgtcgacgc 420
 ctttcgccca tccttgatca tggacgaatt gctcccgaa gcctttgatg attaccatat 480
 gatgttaaga tttttgaaag cg 502

<210> 9562
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103e03d1
 <400> 9562

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gatggtatga ccattacata agcaaagagg ctacagtttt acaagccatc aatgattgca 120
 ccttgaatac tcacacgcct aaacactaat ccattatggt tactgatgta ctgaaaatct 180
 gcggtctgag tgtcattatg ctcaaggaga tcattcctta tgaacacccc aggctctgag 240
 acatccccta tataaagttt cccccactcg tatatgttac caacataact tatttt 296

<210> 9563
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103e04a1

<400> 9563
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 ttggatcata ttgttgtggc aactgatgat gaaaagattg ctgattgctg tcgacaattt 120
 ggagctgatg ttataatgac atcagaatct tgcagaaatg gtactgagcg ctgcaatgaa 180
 gccctacaga agcttgggaa aaaatatgat attgttgtca acattcaggg tgatgagcca 240
 cttattgaac ctgagataat agatggtgtt gtgaaagctt tgcaggcagc tcctgatgca 300
 gtgttcagca ctgcagtcac atcttttaaag cctgaagatg cacantgatc caatagagtg 360
 aaatgtgtgg tagataatcg tggttatgcc atttattttt cacgaggatt aatcccattc 420
 aacangtcag gaatgggtcaa tcaacagttc ccgtatttgc ttcattcttg gattcagagc 480
 tacgatgnca aagttctgaa tatataccct gatcttcaac ctactttcgt gcaactcg 538

<210> 9564
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103e05a1

<400> 9564
 gaaaaaacca aatttgctta acctaagcga ccatgctata aggagcaaac atctaaggtg 60
 tgtgtcttaa ttgcatttgc atagcatgga catcaaaacc ttgtctttcg ccccatcttc 120
 tccgccgtta cccggtaatc gccgccgcca agctcgccgg aatctctccc tcgattgata 180

cctctctctc tcttgactca cctccccgcat ttatcttctc cgatgggctc aagttgcatg 240
gagcatatgc tcttctacgt tatatcggcc gagtgccag ccttcccaat ttctatgggc 300
aaaatgcatt agaatctagc cagactgatg aatggctgga ctatgctcct atcctctcat 360
ctggccctgc ttttgagaat gcatgcaa atatagatga gtacctggag aagtgtactc 420
tgttgggtgg gtattcactg tcaattgcag acctagcaat ctgagcaggt cctgcangtt 480
ctggaaag 488

<210> 9565
<211> 458
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220103e05d1
<400> 9565

gtccccaaaa taacaaagac gaattttcca attactagta aaaaatccag atataatggt 60
ttgcatataa acagtacaat gtgatggtaa acataaaagt agttccacaa acttggttacc 120
accattacca actattctga gtgtgaatgt ggcccaaaca gtttcaagac caaaaagatt 180
acttcaaact tgtctgttgc ctgccatcag ggattgcata tagcacgatt gggtgtgagg 240
ggcgaatgaa gggtaaata caacctgaaat atccctttct ctccagttgc aataaatctc 300
cacgctgaag atttcgcatg ttggagtctc cataagctaa agtctccttt ttggtacatg 360
ggttaaccac atcaatgaaa tctctccctt cttcaagctt tttctttgta attagataat 420
caaactccac taatgtcagg ctaactagtt catctatc 458

<210> 9566
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103e06a1
<400> 9566

ctcccaaat ggacctccat cgccggccgc cgcccgccgc tgacgacgga gcaatccacc 60
ccaagaagag gagggacact tctctccca aggcctccga cgctctccct ctccctctct 120

tacaccgccc gcagaaccgc catcggtcgc gctctctctc aagatgtgga tgaattctac 180
 ggactctgcg atccagataa ggagaacttg tgctctatg gacatccgaa tgaacatgg 240
 gaggtgactt tgccggcaga ggaagttcct ccggagcttc cggagcctgc actcggaatc 300
 aatthttgcta gggatggcat gaaccgcagg gactggcttt ctctgggtgc tgtgcacagt 360
 gattcgtggt tgctctctgt ggccttctat cttgaggctc gtcttaaccg caacgaaaga 420
 gacgtttatt tagcttga 438

<210> 9569
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103e07d1
 <400> 9569

caagcaaaat atagattaat agacaaaaat aaaatgtatg gaattctatt ctataaaatt 60
 atataacata cactgatgat taatcttggt agaagaaatt aacttaatct gaaagattat 120
 gatcagacat agatactata ccgtttacaa gaacttctat aaaagatata acaatattac 180
 agtatctttg tcggccatga aacagcatta ttacttcac attttgcctt cggcttaggg 240
 cctgcctcgc ctcaagctgc atgatggaca tttgtattgc tttatgctct cagcttttgc 300
 aggagtgate ttcacacatt tcccatggaa ccacctctca catatatcgc agccaatcca 360
 aaattcatct gcattgtaat ttccgccaca gctccacaa agggtttcac tgtgctcatc 420
 atcctcgtct tcataaccat catctgcaaa ctttgggttg ctcttaactt gcccatcact 480
 tg 482

<210> 9570
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103e08a1
 <400> 9570

cagcaacacg tgthttgctt tttttccaaa acaacaacac gtcttctctt tcttaaagca 60
 ctaaaacagc ttttaattcc ttcatttcac actttcgtgc actttctccc ccctattttg 120

ttaccctctt gagtttcttc ctcatcact gaacttttta tgaatatttt tgcattttta 180
 tcgtattatg tttgccaaagt ttttggtttt gtttggtttt aacgtgtttg tgagttttct 240
 aacatttttc ccttccttaa tgggtgttta ttttgctcgc agaacaagat gcagggtatc 300
 aggcgcatgg atgctgccct ggacgcaatg cgtccacttg gatttaggac acaactgatt 360
 ctacgaacgg ttaatgagct tctcgatggt ggtaaagtct tttcttaatt cattgtgatt 420
 ttaagttaat ttctgttggt agggattgag ggaccaaaaa gcctagggtt gcataactcta 480
 tatgattgtc gtgcatgcac tatntatgat gcaatgttct atgga 525

<210> 9571
 <211> 560
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103e08d1

 <400> 9571

gctgaaataa ttgtttatth gattcaatat ataccacatt ttaaacaat tagtgacta 60
 ttgtgcatgc acagctttta acatcatgtg gttacattta aatctccagc tatggacaat 120
 gaaatttgga attgtattga tgtggaatct gcaaaccaat gtatccaaac tccatgtgat 180
 tgccagcaca aatatatttt tttgtttaaa gtgattgctg ttcttgcat gccaaagaacc 240
 attgctgcat gtccttcccc gttggtgcag ccggatatta tgagagtga ttatttcttg 300
 tcggaattct tatagaagca aagctttgag tgaaaattgt tgaacatcaa tcagaccacc 360
 ctccattagt cctgcaggta caggatgatcc ctggaaactt gtcactgaac tttttcctga 420
 tgacatgcct gttaagagaa cacantataa attaagacca catggagtgc attgntctca 480
 tgaatttgaa tccctcctta catagtagng caactctacc aaaaacattn gatgatgaaa 540
 taccataaaa cacaatcatg 560

<210> 9572
 <211> 489
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103e09a1

<400> 9572

ttttaacaga tgatacagca atgcttttggg gagttaagtt ctacaatgat tttctcatgc 60
 aagctggccc tcttggaat gtacaatcag aactactatt cagaaaggat aaatcaactt 120
 tcacttttga caaggggttg gccttcctc ggagagtcta tttcaatggc gacgtttgtg 180
 tgatgccgcc acccgattct tatccatggt tacctaatgc tggttccaag caagagggtt 240
 ccctgcttgc tttggtgatg tcctctttgg tagccttggt attatatgca tatgcttaaa 300
 gtttctaata atgccacact catcaaaagt cttcagtgtg acaagttttg actcaatttt 360
 gggacaccaa tttggaattt gaaccaagcc agggtaggat atccagtgc aattcaagag 420
 tagctcagtt ctccatgat tntgtttttc taattttcag catacgagga aattgaatct 480
 gctaataata 489

<210> 9573

<211> 357

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103e09d1

<400> 9573

aaactctggt tatttatgac aaatacatgt tcgataaaac aaaccaaata ccaagcccaa 60
 gacctacaca aatggcgaac gaaccagatg cctcctctgc caggaacaca aaagccagaa 120
 gacggacttg ggtgacacaa aaagccacaa gctagagata cgggagggaa aaccacagga 180
 agtcaaggcc cccaaccaa aaggatagag caaggagca ggcctggaag ccggaccata 240
 gcggatcccg aagggcccaa aatgggccac aaccagcagc agattgaaaa cctgataaag 300
 aaagggtcca aaccggggga aggggtgtaa tggtaagca ccggaaccc aggaggg 357

<210> 9574

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103e10a1

<400> 9574

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tcagattgct ctgaccgaac tcgccgcgca attgaacgta ggtttgact tggtttcctc 120
 cgtgttgagg ccgcgccttg gaacaattgt gaaaggaagg cttgaagggtg gacagttgta 180
 tactcctgcc tatgtggctc gtgttggtgc catgggtcgt ggtgctgtgc gggcatcacc 240
 gtccccacga atttgactgt ggtatggagc tcattgcagc agttgctgca agaaattgat 300
 ggaaccagtg gtttggtgtg tgaaggatct ttcttcagc ctttgtttaa tggacttggtg 360
 aaggaaggca aggttctagg gtcgcttcgt gcaggagtac actggac 407

<210> 9575
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103e10d1
 <400> 9575

acatgctagc accaaacttt gatgcaaagc cattggccat ggctttaatt gctgtaaaag 60
 ttatgttgta cagagcaaag gttgagaacg atgtatatag gacgacatta cttttaaatt 120
 gctagactcg ttattgacat ttttcctgcc cttttgctgt catcaacatc atgatgattg 180
 tagtgatgaat tagagtaaaa tgaatagcga caaaatctaa tctaacttcc cagcattgtc 240
 tacttttagca aaatgcaacg tatgatagct ttgttgccacc taagaaaata gacaacacaa 300
 aattaatgca tccttacgat gaagcttgat tcagcagtca atttggtttt acaaattttt 360
 acgaagattg ggaggtgctc aaaaccaagc ttttgaggctc cagcatttgg ctctctagaa 420
 gtccttttct actcaaaatc ctatcagatg cacaatcctc ttcacaccg ggtgaagctg 480
 ctaataatgt caaaagagtc actgtggcag tttgataa 518

<210> 9576
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103e11a1
 <400> 9576

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 gaggagtttg agcaaaaaata ttttagagcta actaaagggtg ccgctgacaa ttatcatggt 120

tcttggcgga aaagacatgg tgctgctctt gatggtgaga tagcagctgt ggcttttttag 180
catggacatt ttgatcaagc tgcaaagtca tatgagaagg tttgtgcact gtctgctggt 240
gaaggatggc aggatttggt ggctgaggtc cttcccaatt tagctgagtg tcagaagagt 300
cttaatgata aagctggcta cttattatct cgtgcgaggt tactttctct tgatgaagga 360
ttattgttga ccaaggagcg tca 383

<210> 9577
<211> 385
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220103e11d1
<400> 9577

gatagcaaaa tgatgatatt gtatatggtg gttcctagca acttttggtta ttttatgaca 60
caaacgaacg ctagggtccg ggtatctgtc tatcgtacaa tgaatagcac aacattccca 120
ctgtacattc gccagggggt ggtgatattg attctccgaa cactggatga aggttacaaa 180
gaactcatat ctttcttcag ttagttttca cgcaatggga tgctcctgca caaagggaca 240
atttacttct tataacaaaa aacttggttac gcatgcatat ggaacacaat cttagttacc 300
ctttggggat gacacagtga ccacttttta attaactgtc atgcttacgg tggagctgtc 360
aggggggtggc catacacaaa ccaat 385

<210> 9578
<211> 580
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220103e12a1
<400> 9578

gccccacata ccatttggtta ttcataataa aactcgtttt cttcttccat ttctcgtcgc 60
accttttcct cttctctctc tttctctctt tctagttcgt gttcttcgtc gcaaattccga 120
agtaggatct ctcttggttt ttctctaggt ttttcgcgat ggcgtcgaag cgaattttga 180
aggagcttaa ggatttgcag aaggatcctc caacatcttg cagtgccggt cctgttcattg 240
aagatatggt tcattggcaa gctacaatta tgggtcctcc agacagtccc tatgctggag 300

gtgttttctt agtgactatt catttccctc cagattatcc ctttaagcca cccaagggtg 360
 cattcaggaa ataggggtgtt ccacccaaat ataaatagca atggaagcat ttgccttgat 420
 atattgaagg agcagtggag ccctgctcta accatttcca ggtggtgctc tcaatttggg 480
 ccctgttgac gggacccaat cctgatgatc ctttgggtcc ccgaattgca cacatgttca 540
 agacagacag ggaccaaagt cgagtcaact gcaagaagct 580

<210> 9579
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103e12d1

<400> 9579

aacagagcaa accaatcatt ctttaaatat tcgacaatac tggcaatata agggtaaaat 60
 tttaaacttt ttaattgggc ttacatttca ctgtttttaa agtagcggtt gcattctgca 120
 atacagacca ccgaagaaat ttttcccat tcatcttcaa ctgggggggc cttaatcgaa 180
 gaccacaaat tttcatataa ggctgtttgg cctaaacact gaaagtaaaa accgctcttt 240
 tctttatgtc aattagccca tg 262

<210> 9580
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103f01a1

<400> 9580

ccattatact agtaagcatg gtgttagtgc aatcaggagg ctgacgaaaa ctgaggataa 60
 tagaattgac caggctagcg gtgctgacat tgtgaacaga ccagatgaat tgcaggagtc 120
 tgatgttggg actgggtgct ggtgcatcag cggttacgac aattgcagat gagtactctg 180
 catatattgc tgatcgctaa gaacccaatg cttgtactgt tctacttacg tgtgctagta 240
 cggtatctatt aaatgaagtt gacagagacc tacacgatgc catgtctgat gcaaggaaca 300
 ttgtaaaaca tctaaactt gttcatggag gcgggtgctac agaggtgacg gagtctgttg 360

acttgccctca aagtagtcga tatagtgagg gcatagagaa ctaggcttat gaagctgatg 420
ccgtagattt tgaagccata gcgcgaactt tggctcacia ctgtcgagta catgtcatcc 480
ggactatgac tgctcta 497

<210> 9581
<211> 399
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103f01d1

<400> 9581

agggcgacct ttagtgattg tgcttttagaa tgttgatgaa tttctgtttg tgtgcagggg 60
tggggtgttg tctttttctt ctggcggagg tggggcccat ggctgaggct gtgacatgca 120
ccccaacaga gttgagttcg ggtcttccag caatcacttc cgggtgctaaa ccttccaatg 180
cttggtgcac gaagctgaag cagcaaaaac catgcttatg tggctacctc aaaaacgcta 240
gcttgaagca ggatgttaac tctcctaata cccgaaaaac cgggtgcttct tgtgggattc 300
cctttccaac ttgttaatta attaagcctt cttataatta aagtgtggga tatttatata 360
tttattgata aaccgggttaa tttatacaca cttttgatc 399

<210> 9582
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103f02a1

<400> 9582

atggcttctt ctacatcaca tccatccttt tggtcctctc tgaacctgtc tgcattccatt 60
cccatttctt ctcccgatg catgttccca ccgtctaaaa aacctagcaa agcaacaaaa 120
cggcgatcatg cttggngaag tagcatgcaa tggtaaccct agaaatagga gggacattct 180
gatcggcctt ggaggactct atggtgctac aacaagtctc acaagtaaca aactgggttc 240
tgcatttggt gcttcattgt cgctccaga tccaactaac tgcgttcaac cggacccaga 300
aaaagaccct ttttgccac cccccctt caaagactac gagctccctc cacacgatga 360
caagacatta ccccttcgaa ttagaccagc tgctcatttg gtcactgatg attacatagc 420

aactatgaac tatcaatata tgatcggttat ttatgtctgt gatacacaca attcaggcca 60
 tgatattctt acgtgattta cagcaacttc taacttattt aatacatcat accaaccxaa 120
 ctaggagcaa ttttcattat acaatgacac ttatctttta actctgaagc atgacaaggt 180
 ggtagtcacc agggaccata ttcttatgca atttatgcca caactggata agacgcacaa 240
 gttgcaacac cacacatggt cttccccaat tccattttga agtagccatt ctcaccccaa 300
 ctttctcccc atgaattttt ttatgagcca atatgggacg ccattttcaa ctccataccc 360
 cacagcaagg acggcatggt tcacatcctg ngaagtgcta ccgcaaagtgt cactagtgt 420
 aactccattc tcgtagaaat ggaaccatt caccacctga aaggccacac taaccggccg 480
 aacaaatgca actgcatggt ttaattcatt ctcagcacc aaggtgatat tgaccgagtc 540
 aatgacttga aacgggcaca ttttcagctg agaatttga tacaccatct ttttc 595

<210> 9588
 <211> 612
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103f05a1
 <400> 9588

gtacaatttg gctaattgcc aaggcatatg ttgttgtcaa tgactcctgc tatcatcaac 60
 tcatgagcca ctggttaaact actcatgctg tgattgaacc atttgtcata gcaacaaaca 120
 ggcatcttaa tgtgctccac cctatttata aacttttggt gcctcactat cgtgacacca 180
 tgaacatcaa tggactcgca agacaatcac tcatcaatgc aggtggcatt attgagcaat 240
 catttctgcc tgggccattt gctgtggaga tgtcttcggc agtttacaag gggctgggtt 300
 ttactgatc aagcccttcc tgcggatctt atcaagagag gaatggcagt ggaagatcca 360
 tcctctccct atggccttcg ccttgtgata gatgactacc cttatgctgn tgatggacta 420
 gagatatgga gtgctatcca gacatgggtt aaggactacg tctccttgta ctatgccacg 480
 gatgatgcag ttaagaaaga ctcagaactc caagcttgggt ggaaggagct gttgagaagg 540
 gcacggtgac ttgaagacaa acatggggcc taagtgcacac tcttaagact gatcacattg 600
 ctgcatatat at 612

<210> 9589
 <211> 366
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220103f05d1

<400> 9589

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 actatacata aaaactgaca caacacccta ttagatatga aaaactagat agcatccaat 180
 tacaaaactt aagcatacat aagaaaatta tgcacacata agtttgcacg tttatttgtc 240
 aatgagaggt acgttgggaag gaaagaaaac cacacaccac acaccacaca cttttattag 300
 atagagatgc tgttgggaat tcctctgaaa gtaaggcctt cccactggt aggaagaagc 360
 acagtg 366

<210> 9590
 <211> 531
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220103f06a1

<400> 9590

ctttctctaa tccaaatata tctccgttaa tgctctcacc acaaacttca atagactagc 60
 caaaagctaa caccaactat aggccaaatc accaataaat attatttccc gttcttttgg 120
 cgtgttggcc acccactgaa cacatttgca ctacacata gaagcagaga gaggccattg 180
 gttggtttca gagatgggaa gcatgcacat agaaaccca gaaacttttg ctgatggtag 240
 caaaaacttc gatgatgatg gacgagctaa aagaactggg acttggatta ctgcaagtgc 300
 tcatatcata acggctgtga ttggttctgg agtgctatct cttgcatggg caattgcaca 360
 gatgggttgg gtagctgggc ctgcagtgc ctttgtcttc tctttgataa catacttcac 420
 ctncactctt ctcgtgact ggtaccgttc acctgacct gtacatggca agcgaaacta 480
 cacatattct gaggttgtca aagccaacct atgaggaaga aaatttcagc t 531

<210> 9591
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220103f06d1

<400> 9591

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 caagaagaaa accatgtaac atagcaaact aaacatttta ttatattact ttagtataac 120
 aagttgtctc gatttcgaga attgaaaata taacaactat ttcaaaacat agtaatacaa 180
 attttgtcgc cctcaataga aactcctggc tcaagttgga atactaagta tgaaagttct 240
 attgtttctgc ttggaagggc ttgtatttct tgataactaac cgaaaggcct tggatggaac 300
 ccacaagtga gataatagaa atgatcaagc aaaccaact caatatcttg agccaagtcc 360
 aggtgaagga aaatctttgc atatttgact tcttaatgta catctctata gggaagtaaa 420
 ccgtcaatgg ccagaaagag agtgcaccaa taagggccaa aaagtcattg aagaatggga 480
 gtaacatagc 490

<210> 9592
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220103f07a1

<400> 9592

ctcatgagct tccagaccaa agaccaacca tgggtggatgt gattcaggag ctgagtgtgt 60
 catctgctca tatataatca tctactactt tctatttgga ttaggagacg cttaaacatt 120
 tccttttagct gggtttcata catgttatta tttccatgag catatactta gctaaaaaaa 180
 actagccatt gcccaataat tgtggatcta aacggactcg tgtcctgttt ttacgaacaa 240
 ctgggatagt tgaaggatgt tctttattcg gcttattgta aaataaaggg cttcctgagg 300
 taatgatctc agcacaactc tcgtgggtta ttgggtgtca gcttgaaca ctttctttct 360
 ggtactgcaa gaaacttagn ttacaggg 388

<210> 9593

<211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220103f07d1

<400> 9593

cactgtaaac taagtttctt gcagtaccaa gaagaaagtg tttcaagctg aacaacaata 60
 aaccacgaga gttgtgctga gatcattacc tcaggaagcc ctttatttta caataaaccg 120
 aataaagaac atccttcaac tatcccagtt gttcgtaaaa acaggacacg agtccgttta 180
 gatccacaat tattgggcaa tggctagttt tttttagcta agtatatgct catggaaata 240
 ataacatgta tgaaaccag ctaaaggaaa tgtttaagcg tctcctaata ccaatagaaa 300
 gtagtagatg attatatatg agcagatgac aactcagct cctgaatcac atccaccatg 360
 gttggtcttt ggtctggaag ctcatgag 388

<210> 9594
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220103f08a1

<400> 9594

ggcagcatca acacatgatc aagatgtctt cagtttctat ccagatgaac gattttgcaa 60
 tggatttgaa gaagtgttga gtcagtatag ggaaattggt cctaatttc gacttgcagg 120
 tcctacttca tttgcaccaa ttgttgaaat ggccatgaca atagttgagc agagtggagg 180
 ccagtaccat gttttggtga tagttgcaga cggccaggta acaagaagca ttgacactga 240
 gcgtgggagg ctaagtccac aggagcagag gactgtggat gccattgttg aggccagtaa 300
 atttcctctt tcaatcatat tgggtctggtg ttggggatgg tccttgggac atgatgaagg 360
 agtttgatga caatattcca gctcgggcct ttgataattt tcagtttgtg aatttcacgg 420
 aaattatgtc aaagaatatt cctccttctc gaaaagaagc agcatttgca cttgcagcac 480
 tgatggaaa 489

<210> 9595
 <211> 355
 <212> DNA

0953113-032200

<213> Glycine max

<223> Clone ID: jC-gmf102220103f08d1

<400> 9595

ccccccaacc ccacccaaa aaaacccaaa aattttaagg gggggggatt ttttttttc 60
cccctttttt attaaaaaaa aaaaaacctg ttctaacttt ttttcccccc cgggaaaata 120
aaatttaaaa aaaaccaaag atttttcccc ccccccaaa atttttattt cccacggggg 180
gggcccccca aaaaaagcta aatttggggg ttaagggggc tttcaaaaag gggccccccag 240
ggaaaatttt gccccaatta aaaaaaggtg ggtggcccc cccaagggc cctttttttt 300
aaatgggcaa aacatttggg gcaaaacttt tttttatttg ggaaacctgg ggcag 355

<210> 9596

<211> 548

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103f09a1

<400> 9596

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tagaagagcc tatggaggcc acttaagcag aaagtgcttt caaaagcaac ttcacttcca 120
ctcacgttgt gttgctttct cttcattcat atgttctgca actatatcag tgatgccaga 180
attagaagag aagcaagtgt ttgatggaga gaaggctaatt ttgctagtta aagatctcag 240
aaagagcttt gattcaggca tgactaagag ctatggatgg agggtttccc agttggaagc 300
catagctaag atgttagaag agaaagagaa ggaattact gaagctctat ataaggacct 360
tggaaacct cgacttgaag catttataac cgagatttcc caggctaaat cctcatgtag 420
tgaagcactt aaagagctga aagaatggat gaagcctgag aagggtgaata ctttcatcac 480
aacatatcca tcatcagcag agattgtgcc agaaccaccg gggggttgtg tggatcatctc 540
aacatgga 548

<210> 9597

<211> 443

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103f09d1

<400> 9597

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 gggaccttat catccttaag accaccccaa aagagaaaga ataatttgaa caatattgcc 180
 actaataagg gccttcaata atttttcctt ctgagggtga tacggagggt acctaattgg 240
 agaatctgca tcaaaacttc tatagagaac tgacttcctg tggctgaaac tatcaaaaga 300
 gaattttcca tggtaacaac ccattccact ctcttcaact gctccaaaag gcaaccacg 360
 agttgcaaca tggatgacgg cgtcattgat gagcatccct tcagaagata tcttatccac 420
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<210> 9598

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220103f10a1

<400> 9598

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 acacactggc actgaaatat tcaaggaatg cgtgaggggg gctctgaaag gcaagaccgt 180
 tattcttgtt acacaccaag tagacttcct acataatgtg gatcttatag tggatgatgag 240
 ggacggaatg atagtccaat cggggaagta cgatgatcta cttgcgtctg gaatggatnt 300
 tagtgctctt gttgcagcac atgacacctc tatggaacta gtggagcagg gtgcagtcac 360
 gactggggaa aatttgaaca agccatttga atca 394

<210> 9599

<211> 451

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103f10d1

<400> 9599

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aactgtgtaa ttgtccactg ggcactgggt tatataaatt aggacctaaa aaaggctata 120
tttggtttgt atactaaagc tacttaagcc agaggtaatt aaaaaaacct ttcacaaggt 180
tggctcattc ttcacttgtc caaacagaat ttatgcggga tggtaattgc acctctttaa 240
agaaaaaggc ctttctcctt tctcggggca ctgggaagat caatcaaac ttaaaaggct 300
tagcctaagt tgggttttct gttattgtct gaagggtga aagagacaca tgcattggaac 360
tttcttatag gccactggaa cggttggcat actcttgaac taacgcccc aagagagacg 420
gcctttggag caaggtggct ggtgaataaa a 451

<210> 9600
<211> 460
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103f11a1

<400> 9600
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tttcaccctg ccccttccct acaaacctct tccaactttc ccaggctttt tggaaagcct 180
aagtttttct ctgttcatgc aagggtgcc acagaaaaaa ccatttatga ttttactgtc 240
aaggatattg acagaaagga tgtttctctt agcaagtta aggggaagggt tctattgatt 300
gtcaatgttg cttcacgatg tggtttgaca tcatcaaatt actcggagct gtcacgcttg 360
tatgaaaaat ataagaatca aggtttggag attntagctn tcccctgcaa tcaatttggg 420
atgcaggaac ctggatcana tgaagatatt aaagcatttg 460

<210> 9601
<211> 480
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220103f11d1
<400> 9601

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 aaaaaagaaa gagagaaaca tatactatat tcaatcattt tggggtaata cagtataatt 120
 ttcttccta aactgataat ttctttagta aagacaccaa agtaaattgc atagctatac 180
 ttattgctca tcttcagttt taacttattg tgcacacatc actcgggttcg tgctcttaca 240
 tacagctctc gtttgtgttc tgaattacac tcaggcagca agtaacttct ggatatacctt 300
 ctcaatttga aaaggagacg ttgttggtgg gtatctttca ataactttac catttttgtc 360
 aaccaagaat ttctcaaaat tccactttat aagatcacc cagcactcga 420
 tttcagaac tggtagactg gagttgtaaa tgggtccattg acatcaacct tatcaaaaat 480

<210> 9602
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103f12a1
 <400> 9602

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 ttcccaatcg gttctgggta cgggaggagc cgggttatatc ggtagccaca cgcctcttca 120
 gcttctctc agcggttacc atgtcttcgc cgtcgacaac ttcgacaatt cttccgaaac 180
 cgccatcaac agagtcaagg aactcgccgg agaattcgca aataaccttt ccttttccaa 240
 gctagacttg cgggacagag ctgccctcga gaaaatattt tcaaccaata agtttgatgc 300
 tgtgatacat tttgctgggc taaggcantg ggtagaagcg tggataaacc actgctctac 360
 tttgacaaca acttgatagg gacaatcggt ctatttgaag tcatggctgc ccacggatgc 420
 aagagcttgt gttctcatct tcagcaactg tatatggct 459

<210> 9603
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103f12d1
 <400> 9603

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gattatcccg gttagtcata ctctataatg ggggggttaa atttacaaaa caggatgcag 120
 tcatgttcat gaagaacatg aaagaatccc cattcaatat tctgtgagtt ggaacctaaa 180
 gaatcgctaa gtaaaactaaa ccactactta tttaccactt tattataatt cataataaac 240
 taggaaatga ttttaacttcc accttaaaat agctaaagaa aaacttttagg gacctattgg 300
 gcgacagggt tcaaaatgac cccaaaagag aacatatttc ctatatccga cattcatcga 360
 catcaattgg aggaatctgc agatgcacca tagccataag ggtttttgct agcccaattc 420
 cattgatcgc ggcacatatc atcgatgctt ta 452

<210> 9604
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103g01a1
 <400> 9604

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 tggtttccgc cggcgggtac tccctatcca ccgcgcatcc atcccgcttc cctctcctcg 120
 cttttctcac aaaaccanaa aanattaaaa atttctccga agactgtgta ttatcgttat 180
 cgttcactga gtttaggtttt gctgttcttc ctagggtttt attgtgtcca ataacaagag 240
 gagggggaag agaaacaaaa caaaaaaaaa aaagaataaa aggcaaaaat tagggatttt 300
 tttttgggaa aaaaaaaga gaaatttaag ttatcgttgt tgtagttggg gcttggttga 360
 gatggctcaa gttcaagtgc cgctcagaa tgcgatgcca ggt 403

<210> 9605
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g01d1
 <400> 9605

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 acctgaaaac tgtatcaaag ccagtgcaga aaataacaat ccatacatcac tacgtaaact 120

ccaaaatata aaccttaaga aacaaggttg tcattaagag ataacgaaac aaactcaacc 180
 tgaaatctgt atcaaagcca gtgcagaaaa taacaatcca tcatcactaa gtaaaactcca 240
 aaatataaac cttaagaaac aaggttggtca ttaagagata aggaagccag ctgatcagca 300
 gtaccgccag cctgctgctg agcaacattc cttaggacgt ccattgcctc agccaccttt 360
 gctttcaggg cttctggcga ctcaagcaaa tgcagaactt cagtctgggc catctcaaga 420
 agcatgcctg tcactttggc agcattatca ggctctaact 460

<210> 9606
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103g02a1

<400> 9606
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 tactcaggtc agatttcaat tctcccttct atttgtctct cttcattaat atcctttgac 120
 tttgttccat ggcaaataaa gcttccatct tcggcacacc ctactcgatt cctcagatgg 180
 gtttatctct cttcaagctg tattgcagat atttcagaaa cccttggaat tcttaagccc 240
 aaggattcat ctgaattcga ccaaaacctc aactttttga aaaataagct tgccccagat 300
 aacttaatcc gggttctgga ccgtacaagc gatttgaact cggcagtgag gatattcaaa 360
 tgggcttcaa ggcagaagag ttttcaccac acttacaaca cttatttcag gataatcttg 420
 aactgggtat ggccgggaaa gttttggcca tgagggattt ctgtgaattc atggctaagg 480
 ataggtgccc gggtgctgaa gaagctcttg tggcatggct catacatttg ggggcatcgt 540
 angattaaag aagctatgga ggctagtga tatg 574

<210> 9607
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220103g02d1

<400> 9607
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tgaatgacag ttgaacaaat agtctgtccg gatcaggat tagaccttca tggaccatca 120
 tattgaaaaa taaaacacat tcctttactt tattttgttt actcatgctt tgaaaaagta 180
 tacactatgc ttccaaatca agattgcttc ctaccatcga catttgtgag aggaatgcta 240
 acagatcttc tgcccttctt gattttgaca gtcacatgat gatagtcgtg tgtgtagcaa 300
 tacagcatga cataccacag aaataagcta attgccatag acattttatc aacttgtaga 360
 aggacaagga atgaagagag catctcttca ttgacatata gtgaaacact tcaatggcat 420
 cttcagaatg cttgatgtta cagacatata gtgaaacact tcaatggcat cttcagaatg 480
 agcatctctt cacaaagcca tctaatagaga atattccaag 520

<210> 9608
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103g03a1
 <400> 9608

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 gaaagatcat atcccagaag aagaagaaga agagtctgaa aacatggaga agaagagatt 120
 tgggtgtgttg atgtgcgcag aggattcaga gtacgtgaag aaagtgtacg gaggatattc 180
 tggagttttc gtgagaatgc tggcggagga gggagagaca tgggacgtgt acaagggtggc 240
 gtgtggggat tttcctgatg aagatgactt gggctctctat gatggctttg tgatcactgg 300
 gagttgcagt gatgcacatg gcaacgacac atgggtgaat gatctcctca acttgctccg 360
 caaactcgat tccatgaaca agaaaatcct cggaatttgc ttcggccacc agatacttgg 420
 gcgtgcattg ggagggaagg tgactcgttc tcctactgga tgggaccttg gtgtcagaac 480
 cataacactg tcaccat 497

<210> 9609
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103g03d1
 <400> 9609

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 gttgtgctga catagaaggc cccataaaca cttaatggct ggcatcctac ctaaggcatg 120
 gagtgactat ccgtgcgaag ccgagcatgt atatgccata gcagattaga gccaccacac 180
 ctatagctgt tatgattaga tcgaccaccc tgattgatgc gacgactcga taatattatg 240
 actgcgtagc acaactatga ctgcgtcttc gaaggccatt cgtatgcgac catcgaccct 300
 gcgaaaacgt gacacaatgc ttatgccaa agtgcgtatg tggctaccac aatgcagccc 360
 tgtgccttgc tcgataagcg agagcataca tga 393

<210> 9610
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g04a1
 <400> 9610

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 agtgtctcat gtgcaccag caccatccagt catggatctg cacctgatga ttatgatgct 120
 cttggggatg tatacatctg gggggagggt atctgtgaga atgttggtgca agttgggtgct 180
 gagaaaagtg ctagtatttc tagcccaagg acagatattc tgctaccag gccattggag 240
 tccaatgtgg ttttagatgt gcttcaaata gcatgtggtg ttaaacaatgc tgctctattc 300
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 gttgctaaga atgtggatca acctcgtcta gttgaagcaa tggcttctac aactgctgat 420
 tcttgccct gtggggaggt ccatacctgc gctgactcaa tggctgctga actatataca 480
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<210> 9611
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g04d1
 <400> 9611

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accctcccag attaaatggc aaacatttaa ctttaaagga agacattaca aaggggaggg 120
 taaaaaaga ttggaagac aatgaaaccc aaaaaggggg cctgggtcct taataatgac 180
 tgttgatttt ccacaaagct tactgtaaca aaaagtgtgt taacggaaaa atttcctcca 240
 ttacttccc taagaatata aaacagggaa accaacaccc ttgacctat gtgccgtttg 300
 ggcgtgctct aaacatttta ccttttgtat accctatcac gggttgttga ccaccaagat 360
 ttggttga gctctccaaa atttcaccgg ct 392

<210> 9612
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g05a1
 <400> 9612

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 ctctatcttc tggatcgac atccccggtgg tcccgcgatc ctgatcaag tcgaggagaa 120
 gctccggctc aagccggaga aactccagtc caccggcat gtgctgagt agtacggaaa 180
 catgtcaagc gcgtgtgttt tgttcattct ggatgaaatg aggaagaagt ctaaggagga 240
 aggaagagt accactggag aagggttaga gtggggggtg ctattcggat tcgggccggg 300
 tctaaccgtt gagaccgttg ttcttcacag tgttccttg gagggataaa tcatgctgat 360
 gcggtgacta gtgattaaga gtgatcaata aggaaccctc ggaaatacca gggaacgttt 420
 gctattatta ctagtttcac ttgtggactt atcgtagcat actgtgttac aagaataatt 480
 taatatgaac aagatcgtgt gttt 504

<210> 9613
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g05d1
 <400> 9613

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ttattgatca ctcttaaadc actagtcacc gcatcagcat gatttatccc tccaagggaa 180
 cactgtgaag aacaacgggc tcaacgggta gaccgggccc gaatccgaat agcaccccc 240
 actetaaccc ttctccagtg gtactcttcc ctctctcctt agacttcttc ctcatctcat 300
 ccagaatgaa caaaacacac gcgcttgaca tggttccgta ctactcagc acatgccggg 360
 tggactggag ttctccggc ttgagccgga gcttctctc gacttgatcg aggatcgcg 420
 gaccacggg atgtgcgac cagaagatag agttccagtc gctgatcccg atgggctc 478

<210> 9614
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103g06a1

<400> 9614
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 acccttctnc agcacctttg ttcgaccag aggagctcac acagtgggtcc ttctatagag 180
 cctcatcgc tgagttcata gcaacccttc tcttcttta tgcactgtg ctaccatta 240
 ttggctacaa aaggcagact gatacaacgg taggtggcac cgactgtgat ggggttggca 300
 ttttgggcat cgcttgggct ttggtggcat gatcttc 337

<210> 9615
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103g06d1

<400> 9615
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 catagatgat gattaataaa gctttaataa acaagagaag atgagtactt aattatgaag 120
 agtaaaatga gaaatgacta aggatgcaca agacagaaaa ggaacactca aggaatacat 180
 acatggaaat taaaaaaaag aaaaagaaaa agaaaagaca caaaagggat aaaaaatata 240

cccttggaca caagcatgct tatctacaat ttgatgcatg ccccatggt tttggccttc 300
 tcttccaaac accccaaca actgtagctg atgagaggaa aagacgaaaa agcctaaatt 360
 agggaaactgc atagacagat cactagcact cctcaacata gaaattatta ttcttcgggg 420
 gaaacaccat gcatagccct tgttggcaaa ttaatcaagg tagctagctt aattgattaa 480
 ttaattaaag cgtgctcctg aggatccaaa gagcctgata gctgctgctc taaggatgta 540
 tt 542

<210> 9616
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103g07a1
 <400> 9616

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 ttcttcaggg agatgattcg tagactgaag ccaaactctg ttactttagt ttgtgtcctt 180
 tctgcatgtg ctagaatagg agctttgaca tgtggaaaag agatccatgc ccatgcattg 240
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 tggaacattt tgctaacagg atatgcagaa cgtgggaaag gagcacactg ctactgagct 420
 tttcagagaa tggtagagtc aaacgttagt cctatggaag tacatttata tncatattat 480
 gtgcttgag c 491

<210> 9617
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g07d1
 <400> 9617

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agacatgtcc tgattttttt cccctttttt ggaagggagg tgggggtgaa catgttgaaa 180
 aaatatatat acttacgtaa aaaaactata tacctaccta tgtctatgta caacagacat 240
 aacattatatt ttccccgctc tctgtatagc atgctatata tagggttgat tgatgattca 300
 aaggcccgtt gatcattgac gtgcaagatc tttaaagttgc aacattttcc gactctgact 360
 tttcaatgcg atgtacata tctcacagtt ttcttgctaa tcaggctagc tcctataagc 420
 ttcacccgtg caagagcaga tgcctccctt gaaatggtga aattgttcag catcccttac 480
 agaaatc 487

<210> 9618
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103g08a1
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 gagaagattt ctgggaagat ccacgaccac gattcctcgt cttcgctcga ttccgacaac 180
 gacaaaacca gcgccactga ttccttcaag tctaattgtt tcaggctttt cggcagagaa 240
 aagcccatc atcatgttct tggcggtgga aaaccggctg atgtttttct atggagaaac 300
 aagaagatat ccgcatcgac actcggagtt gcgaccgcta tatgggttct gtttgaattg 360
 cttgagtacc acctcctgac tttgggttgc cacttctga tccttgctct ggcgngngtg 420
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 a 481

<210> 9619
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g08d1
 <400> 9619

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atccataagc agcatatagg atttcttgag aggtacatat aaagccagaa gaaaaatata 120
taagatactt ttcttccaca gtgtctctag taaaaggacc ctaaaaaat aaaatatgac 180
atcatagggc tcctgaaacc ccactacaac atatttgtca gaatctagt cccacttcaa 240
tctttctttt tatctttcag aggtcctctg ggtatcttgc tcaatacctt cgcatcaaac 300
actgcatatt gcttcttaat ctcggcaatt gctttctcac caaaagagtc gacatgatct 360
tcatatttct cataaagcac aggcacagtg tgaagcaaaa caaaagctat gtagaacaag 420
gtcaagaagt tggcccaaca acccagaata gagataaccc ataa 464

<210> 9620
<211> 502
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103g09a1
<400> 9620

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ctcttccttt ctcgcttctc agatccaact cctcagataa cacaagacca aaccgccttt 120
ttctgcattt ctagactaga cgttctaccg gagaagcgac cttagaaatt cattatgggtg 180
gcaacagctg ctacttcac atttttccct gttacttcac cctcgccgga ctctgggtgga 240
gcaggcagca aacttggtgg tgggcctgca aaccttgag gactaaaatc caaatctgcg 300
tcttctgggtg gcttgaaggc aaaggcgcaa gcccttcga aaattaatgg aaccacagtt 360
gttacatcta aagaaagctt caagcatgat gatgatctac cttcgctcc cccagaact 420
tttatcaacc agttgcctga ttggagcatg gctcttgctg ctatcacaac aattntcttg 480
gccgctgaaa agcagtggat ga 502

<210> 9621
<211> 541
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220103g09d1

<400> 9621

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 cctagctatt ttgaacaagc aattaaatat tgaagacagc ctagcagtag cgcaatcaga 120
 gatgaaatga aatatggagc agcagaaaga gagaatacag cagttgctaa ttacaatgag 180
 aatgagattt actgctgctt ttccccctta cccaccaaag tatcacaaat tagaaggtgt 240
 atatatataa agacatgtag attgattgga tagacacaag caaaactctc cccagggacc 300
 agaataagtc taaacatagc aaggagactg atgcaactcc aatcgттаac catttcaaaa 360
 tcttaggtgc tttctgctgg aacctggttc acaacaccaa agttgttcac aggtttgggc 420
 ctccactcag tcctgccccct cacaatctca gcaccatttt ccagtcgaag caaatgcttg 480
 cactcaacat gcccgctgtg agctagattg cccatgtcgg ncccagatac agcagtcagg 540
 g 541

<210> 9622

<211> 475

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103g10a1

<400> 9622

gttagccaca tggggatggt agatcggaag gagcaacata ttcagttcct ccttaacatt 60
 cttcatccca cccaaatccc taaaaattgt cacatccttc cccttaacct caacaccacc 120
 acagactgaa ccttccgaa gctgaaccag aagggcctcc tccactcgac gccgccggag 180
 cactggcctt ctcccgttcc tactgaaccc agcaatgaga cccagctgtg cctgagcctg 240
 tcccacaaaa acaattacca aaaaactagg ctagagaaaa aaaaaaagat aacttctcaa 300
 tctgtttttc taaactgttt ttatttttaa aaatatattt tctcttgaga aacaaatctt 360
 attgaataca cttatcttaa aattgatttt tcctcttttg ttctcaagat gtcctcacc 420
 gaaaccctta cattcatgga gctcgccata caacaggcaa aagtagcttt ggatg 475

<210> 9623

<211> 420

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103g10d1

<400> 9623

caaatcatatc attaataatc aatacatgaa gttgattttt cgaattaaaa agccctgtat 60
 ggcatccaat aacagcttca acctgcccac aatgctacgg tagcacagat cctcaggcca 120
 tgactgataa ccatatcagt aactgggttt atacaaatta aacttcatgc ctgacgtgct 180
 aaaggcctgt gtggctttgg agcattggga tttccttgct catagaatgt tcgaaagaga 240
 agaacagctt ttgatgccat tatacatcca gtacatttga aacactttcc ggggtgaaact 300
 tcattattga gcgggggggt gttacttaaa tgcaatgaca gtttcgatcc acagcctcca 360
 aatttatcat ttgaacagcc ataaaatact tcctttatcc ctaaaattga taaagcagat 420

<210> 9624

<211> 386

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220103g11a1

<400> 9624

cgtgcctgcc cctatacctc accccactta ctattattat tgtacaacac aaccaggtcc 60
 ctgaatgctt tttagagaga gaaagagtaa taataataaa gtggaagaaa aagaattagg 120
 agagtgaaac aagaagaaga agaagaagaa gaagaagaag aagaattgag aagatgggtg 180
 ttgaggaaac tgagctgagg ctgggactgg gactatgtct ccctggaaat ggaaccacgg 240
 caacaactga agctgctgct gcggaattag gactgaggaa gagagggttc tctgagactg 300
 aaactgatga aacagccacc gttgatttga tgcttaacct ctcaccaag gaagctgctg 360
 ctgctgatgg tgcagatcca cgtgag 386

<210> 9625

<211> 504

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220103g11d1

<400> 9625

gcaacataat ttagagtcac tatcgtttgg gttcataatt tataacttacg acatctcaca 60

actttgtttg aaatatatat tatataacaa accataatga tacacagatt tacttaacta 120
 tatttttttaa caccctgctc tctccctctg tgtctgctgc agcttaacct tgcttcagtt 180
 actaagtcaa ctaggcaccg ctaatgatga tggagcagat tttggactgg taactactag 240
 tctagctcct gttcttgcac ttctccacgg ctcttggtgc cagtccaata gcttcctttc 300
 ctttcatgat acgtaaacgc ttgcatgatt caacaaacat ctcccatggc acatcaccga 360
 caagcatcca gtcgccatcc ctgtcttcat aggtcgggac atagtcggag ctgttcaaaa 420
 gatccatcaa ctngctctca ttcatgaaat ccttgaagcc ttgtgattca ctttttcaat 480
 ggtgtaagag ctaaacattt tgcc 504

<210> 9626
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g12a1
 <400> 9626

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 ttcaatgtag agaaaatgaa gctcttggtg ccgatatttt gccagagttg cgatgatttg 120
 atcagcaaatt gggagagttt gttatcttcg tctaattgggt cttgtgagtt agatgtgtgg 180
 ctttttgtcc aaaacgtgtc aagcgacgtt cttgctcgtg caggcttttg aagtagctat 240
 caagaaggga aaaaaatatt cgaacttcaa agggaaatga ttcagcttac aatgacgctc 300
 ttttaagtttg ctttcattcc aggttacagg gtttctgcc aacgcatacca acaggaggat 360
 gaaagcaatt gacaaagaaa tacgagaatc acttatggta atcatcaacc cgaagattaa 420
 aagcatcaaa gcagggggagc ctactaacaa atgacttgta ggcatactc 469

<210> 9627
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103g12d1
 <400> 9627

gcaaaaagcca aaaggtaaac tctatcaatt taaaattcaa acatgataaa gtttatataa 60

ggaggagtaa ttacaccagt aacttaggca aaacaggtat atattgatct tggaaataga 120
 tttgaagtga aggttcagat ctatcgtcta cataagaaac tagcaggaat aggaaaacta 180
 aaattgccaa cacgcctcaa atgaagaagc cttattttaga ctaaaaagtg cattctagag 240
 tttgcgtaaa atgagatgag cccacgctc aggtgaaga gtgataatta aggagggggc 300
 atgagcatag gggggggaaa aatggaggga gaaacgtctt aggatcattg acacagatac 360
 ttttgctttt aacaagccaa agttttgttc tatgcagagt cgtggacccc atccaaat 418

<210> 9628
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220103h01a1
 <400> 9628

ctcggactca aacacacagc acgacgaaac ctagcagcct cacgccctca tcgcagcagg 60
 gacctagccg tcgccggaga cgcactgagt ctgagagcag cggtgactaa atcagggtttg 120
 tcaaagagga aaaaggagag ttacgattca ggtttgaagc actaaatcaa tcaaaattgt 180
 agcaatgggt gagagcaaga aacgaaagag acacagaaac aaacgtggtg gtaaggagga 240
 gcaaccgggt cttccttctc cttgtgctaa gcgcacaaag ctgaaggaac cctcttcctt 300
 tcttcaaaag atgcgagcaa gggtgtctgg tgggcatttc aggatgatta atgaaaagct 360
 ctacacttgc actggggagg aggcgctaga ttatttcaag gaagaacctt cgctatctga 420
 tgtgtatcat acaggataca aaacacaaat gtcaaattgg ccagacagcn cagttatgta 480
 attattaagt gggctgaaaa acagagcctt tcttttgtgg ttgccgattt tgggtg 536

<210> 9629
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103h01d1
 <400> 9629

aagggaaggc accctatctg atattcaata aacggtcgta gcaaatttgt aaaccaagca 60

aactccccat acgcacttaa aatcaaagaa taataatggg gccgagaaac caattactac 120
 aataactttg atgatttact aaccatgctg atctaaaaga aaaaaaaaaa gaaaaaatgtt 180
 taactctcat ccagatgaca ttgaatacac caaaaaagga aaaaattatt ataatctcat 240
 ctacgcttgg acaaacaagg ttttaagcatt ggccattcaa tttccttccg cttagaaatt 300
 tgattctcct tttttgtgaa gaaaaacaaa ataaacattt tatttgagaa ggctgtttt 360
 acagagctga aacctatctc ggaaatagca tttgagaact tttta 405

<210> 9630
 <211> 579
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103h02a1
 <400> 9630

caaaaccatg gccagaagag tctctctac cgttgccggt ctctctact ttctcttct 60
 gctcaccctc acacgcgccc gcgatgttcc gaacccttg tccgaacca aacctgactc 120
 cgaacctgga ttccattcat accgaaccta ataccgttcc gcataccatc ggcaccatgg 180
 atcccgtagc gctgacgctc ctccgattac gtccgatcaa ccgacacttc cagcccggcc 240
 gagcgtagcc tctgtcgctt cgtaccgtcc accgacgttg ccgccacggc caccgacgcg 300
 agatccccta cagcaacgac gccatcctgc tcgycgacac agcctgatcg cgccgtgata 360
 attcgactg tgtaggggtt catgccgacg actagacgcg gattccggcg acagttgagc 420
 gactcgattc cgtccgtgaa caccgtcacc gtggcgagaa tgaccaccag cagcagcact 480
 accgacatca ccgactaaag gagagctggg tcgcgaagaa gattcgcaag ctcatgaacc 540
 tcttctgatg atgctgatgc aacgagtcac gatgatgat 579

<210> 9631
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103h02d1
 <400> 9631

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tgccttttagc agactaacca gacaattgaa caggatgaat ggacttggac acctccgaat 120
 tggagccgcg ccttgggaaca attgtgaaag gaaggcttga aagtggacag ctgtatactc 180
 ctgcctattg aggccgtggt ggtgccatgg ctacagggtgc tgagcaggca tcaccggtcc 240
 cacgaatttg actgtggtat ggagctcata tgcagcagtt gctgcaagat attgatgg 298

<210> 9632
 <211> 541
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103h03a1

 <400> 9632

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 tcagaaaaat ggaacatcag aagagcggga gcaagctaac cagaaaccac tcctcgcttc 120
 tccgatcctt cgttcacaac ctctcttcca tcatcaccca acacgaacac gaacaacaac 180
 tcctcctcga tggtcacgac gatgacgaca agaacaagaa gcccaagaaa cccacgtcc 240
 aggctcaggc ccaagcccac catgcccagg ccctggccca caggctcttc gcctattccg 300
 ccctggcggt cttcttctc ggcgcgtgct cgctcctggt ctacttcttc tactggaggt 360
 gtctcctcgc gagaatttcc tgctggcgct gatcttcgtg gccgtggcgc tctacttcgt 420
 ctccaaaaac aagggcctca tcccagatcg ttctctctgg cgaagcattc gtgggaggag 480
 aatgtgaaag cgctaggggt ttccaaggcn gcggcggtgg ccaggcccgt gcagtgggttc 540
 a 541

<210> 9633
 <211> 312
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220103h03d1

 <400> 9633

ggagcaaatt catttttcat tgatatacat gggttatata caagttacag gggggggaaa 60
 caaacatact cttttttcaa cctccaataa gcttttgctc accaggggtga catcttccaa 120
 ggactcaaaa ttagtaaaaa aaaaaaaaaa attacaatta caattccaaa caaagctaac 180

atctaattct tagacatcag ggtcacaaaa ttttccatcc atcctgttct gaacagcttt 240
cacagcagca actctagcag cagtggcagc cttgctcgca gcgattactg ctttggttaac 300
ctggtcattct ac 312

<210> 9634
<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103h04a1

<400> 9634

ataccctgtc ctgtgccgtg acatctttta gccaatgca atcaaacaaa gtttcagttt 60
ttggtgttcc atttttcttc ctccatcttt atcttaaaca taacttgaac tctccattcc 120
ttaaatttta gctacgagct agttccgaca cagacaaagc aatggcaaag accgagttag 180
aggtgactgt tgagagcaag aacaaagacc tcaagcacct ggggtttgtg aggattgctg 240
ctattcaaac atttgtgatt gtgtcaaate tgtatgagta cgcaaagcag aattctgggc 300
ctttgagatc cgtcgtagga acggttgaga aactgtaac caccattctc ggtcctgtct 360
gcaacaaatt caaggacgtc cctgatgatg tccttgtttt tgttgacaaa aggtggatga 420
agcttccac agttcgatga gcacgctcct ccttttgcta aacacattgc ggatcaagcc 480
agggtgtgat tcagaaagtg acttgtgagg cagggaaagt agcaagtga g 531

<210> 9635
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220103h04d1

<400> 9635

cccccaaaaa aggccccgg ccaatttttt ttttttttg cccaaaaag gggggggccc 60
cccttttttg gcttttttcc ccccccttt tttttccaaa accccttttt tttccagggt 120
taaattcccc cgtttgccca agtttttcca aaaaaaaaag tttttttagc ccccccccc 180
cccccccccc aattgtcccc cccccaaaaa aaggggcccc aaaaaccaat tttttgaaa 240
aagaaagccc cattttaacc aaaaccaggt gttttgtcc tttttccca aaggggggat 300

tttttccctt taaaggaacc cccccccggc tggaaggccc gggttttttt ttcaggggga 360
 aaaaaggggg gacccccccc aaa 383

<210> 9636
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103h05a1
 <400> 9636

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 gcttggttga gctccgcacc tggaaccct tcaagctcca gcaagacggg cccacccca 120
 aaccctacta ccacaaacgc ccctgcctct ccgatcgac aaccacctcg ttttcctcg 180
 acatgtcaa actcaccctc gccgacgacg acaatcaca tcccaacaac cgcgccacca 240
 attaccgct cgtcgctcgc aagaggcgcc gccgcggctc gcgatccgtg tccggccgca 300
 gcagcgaccg gagcgggacg cgccggtgct gtcctgtggg ggccttcgnc gcgtacggca 360
 cctgctccga attcccggtg gccatgggca ccgactccag cggagagctc ttcggcacgg 420

<210> 9637
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103h05d1
 <400> 9637

ggggggcaat caaaactcaa aaagattaag ggccgggcag tacattttga ttttttaaac 60
 cccagccccg cctgcgagat tttgttttaa gatatttttt caaccgtttc ctatgaaatc 120
 tgtttgactc aaattgaaaa ggtctcccc tccaaaacaa ataaccaaag cctaatactt 180
 gtggggccgg tcttgtacac atattttcct tttcaaaaat cattttcgga agtccccccc 240
 ttcacacttg gatcaaaata taccgaagct gattcatccc catcatcatt tttttcatac 300
 ccgcaaaaat actttggata ttgatttggc aaatgggtca ggcagtccgt ccaattttca 360
 agggaagata aaatt 375

<210> 9638
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103h06a1

<400> 9638

gcaataactc gttgtacatt cctagtgtgt gggagagaca tggctaagat gtgtgttttg 60
 gtgttggttc ttgctctggc tgtggccaca agtgccagaa acgttcccaa cccaaggat 120
 gctggtctta aagaccagaa gaacttcac c agctatggtg gagttggtgg ttattccggg 180
 attggaaca atggactgcc ttttgaggga gctggtgccg gaatagggtg tggttttggc 240
 ggaggtggtg gacttggtgg tggcctcggc ggtcctaccg gtgggatcgc agggtttggc 300
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 ggatgcggtg ttcttccttt cccttgaaat gatgaacatg catgcatgca tgcataatg 420
 ctccgtcacg tttctttgga ttacactagt ctttattttt cgttcgggaa ataattgtgg 480
 tttgtgcttg tacgtgtcgt taatcgttca agcttctgtc tagtgtttct ctgcctgtg 540
 ga 542

<210> 9639
 <211> 420
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103h06d1

<400> 9639

agcaaataaa tgggactcat atattgagta cttacttcc atgctaaata tgaaatattc 60
 catatgtaaa aaaaccacgt ttatgagtga ctatgggtga cacaaaacct tagcaaatga 120
 aagacacaga atgaccatt acaacttttt ttactttcc acaggggaga gaaacacttg 180
 aacaaagctt gaacgattaa cgacacgtac aagcaciaac cacaattttt tcccgaacga 240
 aaaataaaga cttgtgtaat ccaaagaaac gtgacggagc atatatgcat gcatgcatgc 300
 atgttcatca tttcaaggga aaggaagaac accgctgtca ccaccaacgc cagtttcaac 360
 gccaccacca ataccggcac cgacaccggt accggtaccg gcaaaccctt cgatcccacc 420

<210> 9640
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103h07a1

<400> 9640

catataaaaa tagagggatc tccttctctt atccagagaa gcatatatag agaaagaaag 60
 aaggccctgc cctatatagc tgaaggcagt gtgcacaaac tctgagactg catattagag 120
 tttgagtctt cactctgaag cctaacttgg gttt:gtgtct ctcatagcaa gatgatggaa 180
 aacggtggca aacagacatt tgaagtctcc aatgacacgc ttcaacgagt aggttccaag 240
 agctttgatg atgatggccg tctcaaaaga actygaacta tttggactgc aagtgccac 300
 ataataacag ctgttattgg ttctgggggtg ctatctttgg cttgggctat tgctcaacta 360
 ggttggattg ctggctctgt ggtgatgatt ctattcttat tgggacttat tatac 415

<210> 9641
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220103h07d1

<400> 9641

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 agcaggttcc aaagttgggg aacccccccc cccacccaa aaaaaacaaa gatcccgaag 120
 atccccgggt tctaagcaat aaacaagtta gaccccttc ctgttgattt aaatttgcaa 180
 caatttacct tttttttttt tttttggggc taaagaaaac cctgcccggg ggggccatga 240
 ccctaagta attttcccat tgaattagga gcggggaaca aaggggttgg aaactttaaa 300
 aacatcaata accccagcaa tggaaccogg tgcggtctaat tttgtaatta caaagcttgc 360
 cacactaagc atttgggtggc ctatccattt tatgcc 397

<210> 9642
 <211> 454
 <212> DNA
 <213> Glycine max

002220"CTT5560

<223> Clone ID: jC-gmf102220103h08a1

<400> 9642

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gcaatttgca accgtatggt gttagtttgt ggaacttcta catgccatat ggctgtatcg 180
cggagcaaat tgttcattcc tgggggttgg ggtccatttt ggtcagcaat ggtaccagaa 240
tattggctaa cagaagggtg acagagtgt actggtgcat tattggatca tataattgaa 300
gaccatgctg cttctgcatg ccttgcaaat caagctgctt cccaaaagat ttcattgttt 360
gagctttctga acaagatgtt ggaaacaact gatggttgag ctgaacctat cctttattgc 420
agccttgact aaggtgtaca tgttcttctt gact 454

<210> 9643

<211> 502

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103h08d1

<400> 9643

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agaacaatga tgctatccaa gtatcaagct ctctatattt ttgtacaata tgtatgctag 120
cagtagcagc tgcctatttg attttgagaa gtgtgcgcaa ggcgttcaag gtagtaaaaa 180
ataagatgcc agtgagcctg tacataaaat ttctataaga attttaacaa cagtattggt 240
gattatTTTT ccttgatat ctgaagtctg aactgttcaa tgtctaacct accacccaaa 300
ttgaaaaccg atattcgtca aactggtagt atttgggcca taatttcttt ctccatccca 360
atatctttca tcttgaagc atgaatattc aatcttcgca aggagcacct aattgcaatt 420
gacagtttga gtcaaaacat tctgcaaagc tatgacaagg cttgggcat ggcggaacgg 480
tacgagagct gctgttcata aa 502

<210> 9644

<211> 419

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103h09a1

<400> 9644

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agcttcttcc atgggtctct catccccatc cttggctggc aaggccgtga agctgggccc  120
atcagcccca gaagtgggaa ggggtgagcat gaggaagacc gtcaccaagc aggtctcctc  180
aggaagccca tggtagggcc cagaccgagt caagtacttg ggccattct ctggcgagcc  240
cccgtcctac ctaaccggtg agttcccagg cgactacggc tgggacactg ctgggctttc  300
cgcagaccca gaaaccttcg ccaagaaccg tgaactcgaa gtgatccact ccaggtgggc  360
catgctcgga gccctggctg cgtcttcggg agttgctgtc ccgcaccggg tggaagttc  419
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<210> 9645

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103h09d1

<400> 9645

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ggaaaaagca agtaacatta agttggattc ggatacacia gataattcac attatctgaa   60
gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgctcac  120
tttccgggga cgaagttggt ggcataggcc caggcgttgt tgtagacagg gtcagcaagg  180
tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca  240
aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa  300
gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca  360
gtgacctcac cgagggggcc accagcaata cggtaacctt caacggcacc cattaggata  420
acttgtgtgg cccaaatggc gaggatgctc tgggcgtgga tcaggcttgg                470
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<210> 9646

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220103h10a1

<400> 9646

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 gagtgtagtg tagtattgtt ttgtagctaa gcaaaaatga gtttcacctt caccaccatg 120
 accttgaact tggctcctctt aatggccatg gtggccacca acatcctctc cctctaccac 180
 ctctcctcca cctccaatc ccccaaatcc cccaaaccac cccacactgt ccccgaccaa 240
 ctctccacc agctccacac catacgcgcc accatcaacc acctcacgct cctccagaac 300
 actaacaacc caactaaaaa atccaccatc cctcagatc tactcttata ctcccacctc 360
 tccccaatag cctcctcctg ccacaaccac cccgaactcc ttcacatgta catgacttac 420
 acacctt 427

<210> 9647
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103h10d1
 <400> 9647

gcgatctgaa acagctgctg gatcggggaga tccaaatcag tcttatacga attgaacctc 60
 gaaatatcac gagaagggtg gaagccgagg ttagggtttt gtttattcaa gcaatcgaac 120
 gatttgcatt ggtaatgatc ccaaattaca gcgttgctcag ggaggaggga agggaagggg 180
 cttctaaggt cttagttgag gagaaaaaaaa gtgttatcac cactgaatg gctcggctga 240
 agaagcaatg gaaagaagat atgatccaca aggggacagg gaagatctag agtataactc 300
 tacttttctt tttccaaata ataaaagatc taaacagaca gactgcata gcccaacgtg 360
 tgtgccaaca atctaatacta atggttttgc attttccttt cctaaatccg cttaccctta 420
 attttttatt ttagagtcca gaataatgac ttgaaccacg tccctgacct taagatgatg 480
 attttttg 487

<210> 9648
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220103h11a1
 <400> 9648

ggccttcaat ttcacccttc acacgtggtg gtggtgttgt tcttcttctc ttccccttcc 60
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 acaatgtgtg gcattcttgc tgctcttggt tgttctgatg actctcgagc caaaagggtc 180
 cgcgtgcttg agctctctcg cagattgaag caccgtggcc ctgactggag tgggctccat 240
 caacatggtg actgcttttt agcacatcaa cggttagcca tagttgatcc tgcttctggg 300
 gatcaacctc tctttaacga ggacaaatcc gtcattgtca cggatgaatgg agagatttac 360
 aaccatgaag agctcaggaa acagctgcct aatca 395

<210> 9649
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103h11d1
 <400> 9649

ccatcatgaa ctgataatag aaacactttt attaagactt caaatcacag cattcaagat 60
 aatacaatac gctacacttt tagaaagcct tatatctata tctatacact acaaagcttt 120
 gccaaagataa aagtacactg caggcaaatt ttccatacac gtttagcata gttcattctc 180
 cccaattat tctttgtcac agctttatat tatccctgga ttgcaacacc aagaggagca 240
 gcatccatag gtataatctt ctcaatttct acacccttgt tgtgggttctg gttttcatag 300
 gctgaaatgt gactccaag tgctgctcta ccagaaggat caagggttgtt agaccaagca 360
 gcatccact caacagcttt ggctgtgcta catgcaacac ttgctcctcc aggaacgggtg 420
 agcctagctg agt 433

<210> 9650
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220103h12a1
 <400> 9650

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 attgtgggtca ttggccatgt cgactctggg aaatccacta ccactggtca cctgatttac 120

aagcttggag gcattgacaa gcgtgttatt gagaggtttg agaaggaagc tgctgagatg 180
 aacaagaggt ctttcaagta tgcttgggtg ctggacaaac ttaaggctga gcgtgaaaga 240
 ggaatcacca ttgatattgc tttgtggaag tttgaaacaa caaagtatta ttgcacagtt 300
 attgatgcgc ctggacatan ggatttcatt aagaatatga ttactgggac actccagctg 360
 actgtgctgt tcttattatt gattcgacac tgggtggttat gagctggtat ttcaaggatg 420
 gacagactcg tgacatgctc tgcttcattc acc 453

<210> 9651
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220103h12d1
 <400> 9651

ggaacactac aaatagaaag gtgacattta ataaaccaa gcaacacaac gcagcaaagt 60
 cctgaaactc gctgcgctta acaaaaatgt aatcaggggt tccgacaaac acaacacatt 120
 aaaacacaga taaataaaaag caattttgcc accgtcgatc aagaaccag ttctgggaac 180
 aacagttgcg agatgatggg ggagacttca aactttgtcc gaaaaacaag cttcctagaa 240
 aagaagacac atgagtccag aaaagaaacc aacatttatt gtaaccaaca tcccctgatg 300
 aaccagcccg cacgattcac ttctttttct gggcagcctt ggtgaccttg gctccggtag 360
 gatccttctt ctcaacgttc ttgatgactc ccacagcaac ag 402

<210> 9652
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104a02a1
 <400> 9652

caagttttcc cctccgcgga acaaaatggg gatgggaact agcacctttg ttactagatg 60
 gatcaacttt ctcaccatgc ttttggccat tggtgtgata atatttggag tgtggatgag 120
 cactcatcat gatggctgcc gaaagtctct cactgtgcct gtaataggcc tcggagcagt 180
 tattttctta atatctgtag ttggcttttt gggcgccttg aaaaacaact ccatactatt 240

atggatttat ctgatcacgt tgttctttgt cttggtggga atcctggtct tcacagtatt 300
ggtgttcacg gtgact 316

<210> 9653
<211> 318
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104a02d1

<400> 9653

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tttgcattgt ctgttgtggg gccagggggc gcgttgtcac ctggccgcgt tccgagagga 120
gacgcagccc aagagccagg aggacacacg ggagaccggc cggccaccgg gccggggccc 180
ccaccgacgc ccgggcgggg gcagacgccc cccacacccc cccgggcggc gcacacgcac 240
ccgaccgcgg ggagcccaga ccgggggggg gccagacccc cggggggggg gcgcccgggg 300
gcgggcgggg gccagggg 316

<210> 9654
<211> 358
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104a04a1

<400> 9654

tcgaggtggg gtaggtactc tttggaaatg tctgctgtta tttacaagga ctgggttttc 60
actgatcaag cattgcctaa tgatcttctc aagagaggag ttgcggttaa ggatccatct 120
gctcccatg gagttcggct tttgattgag gactatcctt atgcttctga tgggctagag 180
atatgggatg ccatcaagtc ctgggtgcat gaatatgtct cattctacta caagtcagat 240
gcagcaattc aacaagatcc cgagctccaa gcttgggtgga aagaacttgt ccagtgggtc 300
atggtggatt tgaaagataa gccatggtgg caaagatgc aaactcggga aaagttga 358

<210> 9655
<211> 497
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104a04d1

<400> 9655

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 cactttgccg tgccagctat cattgttgaa acatgcgcga gaacacttaa cagcaattta 120
 taaaaacaga atttcttcat taacacttaa cagcaaacac gagaacattc aatcacccca 180
 aatacataac ttaaccatac ataggtagat gaaggaatca tattccttct attcactttt 240
 attgaaaacc agggaaagta ctgcaacaac catagagccc ctagatggag atactgttgg 300
 gaattcctct gaaagtcaat ccctctcac tagaaggata gagcaaagtg taaggcattt 360
 tagccggccc actgcggttt ctcaacgtct cgtccttggt cttctgtata agcttttggt 420
 caatctcttg aagcttcttt ccaaactct tgaaggcctc tagtggacca gcatcagaag 480
 tccaatagtc accacca 497

<210> 9656

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104a05a1

<400> 9656

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 ctctgcttcg tcctttcatt cctcttcgga atcgtaatac gttcgatcga tccatctccc 120
 gcttcaatg acaacccta cgcacaaca taacaacct gcacaggaaa accctaaca 180
 aaccctagac cccaccgaac cagatccaat ccctgccacc gaggacgacg ccgccgccga 240
 cactaaggac tccgacgcca aaaattcccc gcgcgccgat tctggaaacg acgctccgct 300
 ctccgatatt cagaagaaaa tgcgccgcgc cgagcgattc ggcatttccg tccagttgtc 360
 cgagaaagag aagcgcaatt cccgagccga aagattcggc actggttccg cttcgaggga 420
 tcagagccat cgaaatcgga ggagctgaaa aggaaggcta gggcagaaag ggttggaatg 480
 cctagtccta ctacaac 497

<210> 9657

<211> 316

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104a05d1

<400> 9657

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 catgttaggg gtattggttg ttgttttagt gttaaagttg gtgcacggca acaacagacc 120
 aacgaaccag aaagagacac ataccagagc acaagagagg caaaaacccg agaaggacaa 180
 caaccagaca aacgcaaccg gcagaaggaa aaaaaacaca acgaaaacag aaagagccga 240
 agaaaaggaa gaggaggcgg ggaagaccaa aaaggagaaa ggaaaggccc cacaagcgca 300
 caagcgaaag agggag 316

<210> 9658
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104a06a1

<400> 9658

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 catggctgcc tccgtctcca ctgtcggagc tgtcaacaga gctcttttga acctgaatgg 120
 gtctggacct ggggtttcag ctcccagttc atccttcttt gggagcagct tgaagaaggt 180
 tattggctca aggttcccca acacaaagat ttctcttgga agcttcaaga ttgttgctgt 240
 agaagagaag aaagagattg aagagaccca gcagaccgac aaggacagat ggaagggtct 300
 tgcctatgat atctcagacg accaacagga catcacanga ggaagggttt tggntgactc 360
 ctttttcaa gctccacagg atgctggaac tcactatgct gtcagagct cctaccagta 420
 ccttagcact ggacttcgnc agtacttggg gacacacatg gatggatttt acattgctcc 480
 agcttttatg ggacaaactt gtgttcacat taccagaac ttcac 525

<210> 9659
 <211> 507
 <212> DNA
 <213> Glycine max

002220" ETTES60

<223> Clone ID: jC-gmf102220104a06d1

<400> 9659

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aatcatctca aacttggcat cttctctttg cacctaagac attgagaatt ctaagaatgt 120
tacacgcaag tcccatcaca acttctagca cttggatcag cacaaccttc aggaacagaa 180
atatttactt gccaaagttg ctttgccctcc aattcaagat tggaagaaag ttccccctgtt 240
aatagcatcc tcgttagcat ttccaagtgc agcctcgttc aagtacttgt cagccaattg 300
gactctcttg acattctctt gttcttggac aagcatgtta ccatacgtca agagcttctc 360
cagagtcac tggggctgct caaagggttg aggtccatct tttgagttca caagcttctt 420
cccaatgccg tcaacaccaa caccagaaat ccacttcctc acttcgtcat catatactct 480
ggccctcagt gcaccaaaga aatcaat 507

<210> 9660

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220104a07a1

<400> 9660

cctgcagaga cgcgctggag aagaagatag ggcgcgaact cgaagaagcc acgctcgacg 60
accttctcgt gccgagttac tcgtacctga acgaaacgct ttacgacgtc gattgcgtgg 120
agaggatttt gagtcacttt ttggaaggta tgggaagcaag aaacgccacg aagacggagg 180
atgcggcggc gacgaggtcg ccggcgctga tgctcgtcgg aaagctcatc gacggatacc 240
tctccgagat agcttcagac gcgaatctng aagccgagaa gttctacaat ttcgccatct 300
cacttcccga cgaggccaga ctcttcgacg acggtctcta ccgcgccgtc gatgtgtatc 360
tcaagggcac atcgtgggtt ttggaagagg agagagagaa gatttgcgga ttgttggact 420
gtcagaagct gacgctggan gcgtgcacgc acgcggcgca naacgaga 468

<210> 9661

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104a07d1

<400> 9661

gagaaagtaa agttattata gtattaatca attaaaacta aatttatgga aaattaaaga 60
 aaaaaatgaa caattacaag tggggcccat atgaaattta ctccaacaat gattctcacg 120
 tgagggggag gaagttgagc atggtaacta atcatgatgg ggatgatgct gctggtgatg 180
 gcgtcctttg cgggtatcaa cggtcgttga ctctgtcgaa tcacaaacct gagtcttaaa 240
 cttgcaaccg aatttcggt ccagcgacgc cctccaaccg ccgccggagg cggcaaactt 300
 gtcaaacttg gaaatgactc tcttcataga ggaacactcg cgttccagtt gatgcacgcg 360
 cgtcctcatg ctatccatgt ccaagcgcag cacctgatta tccctcaccg acacgcgcca 420
 cgtgccgttc cgttcctgca cgtgctctaa ccctaactct tc 462

<210> 9662

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104a08a1

<400> 9662

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 tcatecttta tcttctaatg cgagacccat ttgaataaat ccccaaatat agaaaaaggg 120
 gttttacatt tttccatgat caataaatag cggttggtgt tggtgtgtgt gttgtgtgtg 180
 ttgttggttg atatgctgag gttgtggaaa tggtagcaga attgcttggc ggttcaccct 240
 gttaagacac aggtcatcag ctctggcttg atttgggggtg ctggtgacat agctgctcag 300
 gcagttaccc actacactgc caagaaacgt gtcacttttg atgcggatga cactaaagaa 360
 ttcaagatca actggagacg ggtgtctacg accagcttgt ttgggttagg atttgttggc 420
 cctgttggcc acttctggta cgaaggtttg gatcgggggt atagactgaa actcatgctt 480
 aaaccgaatt cct 493

<210> 9663

<211> 225

<212> DNA

<213> Glycine max

002200 "E"TTTSS60

<223> Clone ID: jC-gmfl02220104a08d1

<400> 9663

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aaaggaaaac cttccgacaa tcccggaaaa actacttcca tttcctggaa aacccccact 120
ggcaaagtct ggggggggtat cccccgcgaa aaaaaaacgg gggggggccat ccaaaggga 180
gtcccacccc cggggacccc cccaaaaaaa ggggcctttt tcaaa 225

<210> 9664

<211> 502

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220104a09a1

<400> 9664

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aaggagaaag gcatcaactc ttttaagttt ttcattggcat acaaaggagc tcttatgac 120
aatgatgagc ttcttctgga aggatttaaa aagtgcgaagt ctcttggtgc cttagctatg 180
gtccatgcag aaaatggaga tgctgtgtac gaaggtcagg aaaaaatgat agaacttgga 240
ataactggtc ctgagggaca tgctctttca cggcctgcag tgttggaagg agaggcaact 300
gcccgtgcta ttcgtttagc tgattttgtg aacactcctt atatgtgggt catgtaatga 360
gcattgatgc aatggaagaa attgctaagg ccggaatc aggacanagg gtaattggag 420
agcccgttgc ctctgggtta gcccttgatg aatcttggtt ttggcatcct gactntgaga 480
ctgctgcnag tatgtcatga gt 502

<210> 9665

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220104a09d1

<400> 9665

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aggttttttaa ataagaaaaa gaaaatttat gatgctatat atggcttatt tttttttttt 120
 gagaaaatgc tttgtatggg agtaacttcg aatggccctc cttgggtttt aaaccaatga 180
 catgctatta aagcaggggt ctatgactca aaatatgggt gtagattaca agtgcaatgt 240
 gaacctgaac agagagttcc attatctgaa agtgctacat actggaaggt gcagcttttt 300
 attaaagcta cgggggcttt ttttaacagat ttagac 336

<210> 9666
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104a11a1
 <400> 9666

gaaaaaatgg gttcttcttc ttctatgtgg acggtgtgtg tgattttggc atcactggcc 60
 tctgcagcac tctgtgccaa cccacgcagg ccagtggatg tacaatttgg ccgaaactac 120
 gtgccacat gggcctttga tcacatcaaa tatttcaatg gtggttctga cattcagctt 180
 catcttgaca agtacactgg tactggcttc cagtccaaag ggtcttactt gtttggtcac 240
 ttcagcatgt acataaagat ggttcctgga gattctgctg gcacagtcac tgctttctat 300
 ttatcttccc aaaacgcgga gcatgatgag atagactttg agttcttggg gaacagaaca 360
 ggacaacctt acattctgca aacaatgtgt tcaccggagg cagggtgata gagagcaaag 420
 aatctatctc tggtttgatc ccacgaaaga ataccacaga tactccattc tctggaactt 480
 gtatcagatt gtgttctttg tggacgaagt gccaatcagg tgttcaagaa cagcaggact 540
 tgga 544

<210> 9667
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104a11d1
 <400> 9667

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 aggatataat tatataaaat tgtacatagg aagtggaaat gtgaatgtgt ggcaggggtga 120

taaaaatgaa aagagaagca acaataataa agtgaatgag aaatttaa atcacggact 180
aaaatatcta ttactcgaa atttaaagt caggtctct tttgactca ggaggagaga 240
tatgaggata gcgtttagt tcagtgcagt agttgtagat ggtgtatttc tggcgacccc 300
atctgagcct acgccactgg gcggcgtaa ggtcacggaa ctcaggctgg tcccaccacc 360
tcttgacctg cgtgtcgaa aacttgccgt tcaccgaagc ctagcaccgc tcgatgtgaa 420
accccttgta cgt 434

<210> 9668
<211> 522
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104a12a1

<400> 9668
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gatgaccaa agaactctgt cttccaaggt gatgccacgt cttcttcag gggcatagaa 120
ctcaciaagt tagacggtgg aggaaccca gtgggtggca gtgtggggag agtggtatac 180
tcttctccag tgcaccttg ggaaagctct acagtgtcg caagctttga aaccgacttc 240
accttttcca tctcatcaga ctctactact ccaggatgat gccttgctt cttcattgca 300
ccatttgaca ctaaaatccc tccaaactct ggtgggagca accttggaact cttcccatca 360
acaatgttgt tgctgtcgag tttgacacct acctaatcg tgataagggg gatccagatt 420
atagacacat tggatcgat gtcaactcta ttgtctccag gcaactgtan gtgggagtgg 480
canaatggca naatagccac tgtacatata agctataact ct 522

<210> 9669
<211> 554
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220104a12d1

<400> 9669
actcttaata acataatatt catattcatt acttataaaa gtgaaataac agacacgtac 60
gtacataatt aagcagtagt ggactaggta gtacgtactc tagtctcctt atttgcctt 120

0032200"ETTES60

aattattggc acacaacaca acacaacata gcatagctag atgagattta ttaagatgga 180
aagtgaatga ccagaatcat ccgatactgt tgttgaaggc taaagaccat gagtgaatgg 240
tatttgcttg tttctgctgt ccagttgaag cagataatcc aaccctaacc cattcaggaa 300
gcactttggt gagctcaata tcatgggaga gtgtcacagt ttgagtgccca ggatagaaaag 360
cagcaacagt gagtctctta gaggcagagt tatagctgat atgtacagtg gctattttgc 420
cattttgccca ctcccaccta gcagttgcct tggagacaat agagttgaca tcgataccaa 480
tgtgtctata atctggatcc cccttatcac gaatagggtta ggtgtcaaac tcgacagcaa 540
caacattgtc tgat 554

<210> 9670
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104b01d1

<400> 9670

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gggggggggg gggggggggg gggggggggg gggggggcca aaccaaccac atgggtagag 120
aggaggaggag cgcagaggca gagacaaaag caagaccaa cccggcgata gtacgcatta 180
tttaccaa atgcacaaagc aatgacactg aaggaaggaa ttttgtcgtg taagtgtagc 240
agccaataag gggccactgg tcatcgccgc ctatgcggca ggagtctaca agaaaaagtg 300
tggaatgccca cgaacccct cctggacctg gaggttggcat taggttccaa ataactgcc 360
gtgtgcccac ccgcgatgta gtttgaacct attgcggccc agataacata tggatcgata 420
aggctgcgtt taccgaatca ggtgtgctta ggggttcattg gaacgggttat ag 472

<210> 9671
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104b02d1

<400> 9671

tagctgccgg caatttgccg tggtagacgt gtgcagtgcc gccgtgcttg gggggggggg 60

ggggcaaaaa aaaagagtat gcaacgcata cagaaggttc taaagtacta accaacgcta 120
gcatatagac cggtaagtta cagtgaagaa cggagagggg aataacacag aacaccggga 180
tttagaaata aaggcacgac tggaccagac attgcccatt ggcgagacat aagatgaagg 240
cgagtgaatg ggcaatgatg cctacttaca gcaaaagcac caatactact actacataca 300
aggcatgaac acgagtatgg cacagcaact tgtgtagggg caggggcacg cactggacca 360
gacattgccc attggcgact cataagatga aggcgagtga atgggtaatg atgcctactt 420
acagcaaaag cacgtagggg caggggcacg cagtgggcta tagcggttgc tagggagttg 480
gtaacgtagc gccacgttca tctggattaa ttggagtaaa tatagcacia ttaaaggcta 540
aaaggggggg 550

<210> 9672
<211> 407
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104b03d1
<400> 9672

catgaaatat tctttcaaag tcattgaatt cagctcaatg aactcaattg ctttttctta 60
tcctttagt caaccactac atataattga ggaaatgaga ttgtcttaaa agtggatcaa 120
gatataaaa aagatacaat tgtttcagaa catattacat tacttgggat aaagaatggt 180
cagaagctta tggcgacaaa atgaagcatg atgacatctt caataggaag cagcaagata 240
tgactatttc gtgtcaacag catgtcagca tttcctaaca ctttcaggag ctcccgagta 300
ttacattgaa tgtttctttt actttccgaa ccaaagcttc cctgtcgggt ttgaaaacta 360
tgttcttgta taaaaccac ccagtgtatg caatgcctc gagccca 407

<210> 9673
<211> 530
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104b04d1
<400> 9673

tttgtttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

ttgttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt ttttaaaaaa aaaaccccccc cattcttggg ttttggggcc gccccccccc 180
 aacggggaga actaccccaa aaacccacgc ggggggaggg ggagattaac aacacgggtc 240
 ttgggtctcc aaacacaatc cctgccccct ttgcaggaaa aaaacatttc ccctttggag 300
 cccccgggg gttcttcaat tagggaccaa aagggggggg gccccggggg ggaacccgac 360
 cggccccccc tttttggttt tttttcccc cccggggggg ggaaccacaa aaaaggacgg 420
 gggggggcct ttgggccttt tcctgcaaca aaactttttt gggccccccc caaaaaaaaa 480
 aacgcggccc cctccccac gaaaaaaagg ctttttgggg gggggcccc 530

<210> 9674
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104b05a1
 <400> 9674

tagcgtcgat ctgtcgctac gaatgtgcc gagtcctgtc acctcacccg ctcatgagca 60
 ttgctcatgg tcagtgttcc taagttctcc tcacgggtcg ttacgaaaat cctcttcgag 120
 actcccagtg ctcatctgcc ctccacgcct aagccaccct cacaatctca ctaataaccg 180
 cagtcaaggc agcaatcaca gacttactag tgttcaggat accttggttc gcaacaacta 240
 cgatgctaata ggcctctcca cctgcaactg gtgcagtttc agcggtcacc acaggacca 300
 tagcaataaa catctctggg ttcagaatat ggctaattctt cgttggtcttg gtaaccaact 360
 gtgtcaagtt ctgagccaat gttgtacagg tccaactcac cctactaact gggatggccc 420
 gttggcaatc ccatcaaagg agcaagaaag 450

<210> 9675
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104b05d1
 <400> 9675

aaacaaaaca tctcttcatt aaaatctgag gatgattaga atatagtaca tggtacaatt 60

atacatTTTT ccacgtcagg cttgcccatt tgattcgatt tcttcttgcc cactttcaca 120
 agttttttgca ttgcatctct gaatatcaca caa.aaaaa aataacttat ggagtaggaa 180
 ggtgatcttc caccctttcc tccaaacaga tgcttctttc aacactttta aaagaacaaa 240
 aagacaaaat gaaaacaagg tataacaaga catcttagga atcatcgggg ttagtaatca 300
 aagggtggttc ggtatcctcg ttctgagctt gagtttcagt ttgtgttgga acttctctgt 360
 gttgctcaac tagcctgctc atacgctcta gcaattgtcc agcctttctt ttgcctctgt 420
 ctgttccatt ttgag 435

<210> 9676
 <211> 551
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104b06a1
 <400> 9676

atcacgtcga tctatcgcta cgaatgtgcc agatgccgtg cactgagtgt gccgtaaaac 60
 acagcaagga tctttcgtgc agggttcctc caccagcctg gtgttcctca tgcgctatcc 120
 tcttgacat gtttctcaaa aacttaaatt gtgagtcaag cggagtcctc tgccatagta 180
 ttccaactat tcgctctan atcggccatt aagagagaag ccaacctaaa cgtagtaaaa 240
 aattacaatg tcaactccgtc cgtcactact gttcaaacga gtcttcaggt tactatctat 300
 gtcacagaag acaagccagc cacagaacaa aacggaaggg ggttgccacg aatgagctgc 360
 gctaaggaca gtggcgcgtt aaaattaacc ccgccagctg ctccacaagg ggggtctccg 420
 tggttggttg tacttaacaa taccgagatt gatccgctgt ggtgcaatgc ggatgcgaac 480
 caatgaagca aacataacct aggcacgtag gggcatattt agccagcaag cccgagcgta 540
 tgaagtcct g 551

<210> 9677
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104b06d1

<400> 9677

gatgattgta attttctctt aaattataaa cgattatgca gaatttggtc cttatcttag 60
 gaaaaccaag ttaacagtca aatcacttgc ttcacattaa ttgcacctac atgctacaca 120
 caattgtttt tccatgatat ctagtaatct agttctcctg cgcattggtag acttgagaat 180
 cttccttcat tcttgatca atttcaggag acgatttgga tgcagtaatg caacttttaa 240
 tccaggaatc atcaaaattg ttagccttga gaatcttgga caactcatca acaccatcca 300
 catccgtctc ttcttcatag tacttgagaa aagccccaac aacttggtgt gaaggacgcc 360
 atttatcacc cttgacttct gaaagcgctg cctccaagt cctcacagca gcatccaact 420
 catgtttctt caagaaaaac ttcattgaact cttcccgaac cctaaagaaa ggcccttt 478

<210> 9678

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220104b07d1

<400> 9678

tttggttttt tttttttcat caagattgat tgattttaa ttatccgaat gggttatagg 60
 gaataacaaa aatgcattca catattcctc atacgaattt aggaagacaa gctcgtgcat 120
 gaatacctaa attgacaaac atatcg 146

<210> 9679

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220104b08a1

<400> 9679

atagcgtcga tctgtcgcta gcgaatgtgc cagagtgccg tgcattgacc aatgaacaca 60
 gcggcgaaac tgagaaaaaa cacatgacca actaaatgtg ttaagatgta atgtgggctg 120
 cgtagcggct gccaaagcgg cagcaataag aggccacact agaggttagca ctaccgcagg 180
 cagatgccaa ggagggttgag gtgacgaaaa aggcgcaaca aaaacgtgca gggcttgccg 240
 acccactcca gaggggtgtg atgacagctt atataaatag tttggccgcc gctagtgcc 300

aacgggttat acgaggagaa gctagaggag cagggccgca cgctgccacg ctacgggctg 360
 taaccagta acgccgttaa gtaaagaagt tgacggtata attgacgacc atgacgaagc 420
 gattaaatac acactaactt gcattgaaat agcaactacg gctgtactta ctacacgttt 480
 acatgcgttt gcaagtgact aggaggtaaa acctgcctaa gctaggacaa cgattgaaac 540
 aacgtttgca gcggcngcag ctgtaaaagt tggtaccact agcccagcaa g 591

<210> 9680

<211> 433

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104b08d1

<400> 9680

caccaactat cggttaatat taattgtggg aagcagaaaa gaaacaagtc cacaataaag 60
 ccaaacatta cagcgaggtc ccaaaattcg agaaaccatc acaggccaca aatgcaaacc 120
 aattcaattc atttaattca aagctgcgaa gaagtcctat gcataacaaa agcaggaaac 180
 aacccaact gtctactact ctctgtcttc atcactgcag gaggtaagta gatgaagaag 240
 cattcattca acaatgcgc atcatcatca tcatcatcat gtgtaaatgc tcacaatttc 300
 ggttggaaga gcaattagaa caatggccaa agccatcaca atcgcatagg taacggtact 360
 actgggttga accatgcttc catacgatgc gttttggctc ttgggggtcg tagtttgtga 420
 gtttgaggtt gca 433

<210> 9681

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104b09a1

<400> 9681

tcacgtcgca tctgtcgcta ggaatgtgcc agagtgccgt gcacaaaaaa aaccaaattt 60
 ggtggactgg actggtggtg gtgttcagta atacgtcttg ttgtgttgtt ggaggggctc 120
 gtcttgtctt ccaaacatgt aaaatacaca cacacacaca cacacacaac ccgttcgaga 180
 aaggacccgg gtgggtattg aatacactta gtcaattgac ttgtgggggg tggttgtggg 240

tctacactca ctcatgtctc aaaagaacag ttgctgttgc agtgaccgtc taaaagtcta 300
 caagtaggtc aggggctcag gtacagttgc agggggatga ttggcttgcg caccaatcag 360
 cgggccggtc aatttggggc cctacgtcgt cgtcactttg ggtcctgtgt aagtccgggg 420
 tccatacatt aaggtcacga ctaagaagtt ggggcttttg aacttagggc cgacgatact 480
 gttagggccg gtctaaattc gtccggttag agggccaccg 520

<210> 9682
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104b09d1

<400> 9682

gactgaactc ttaatcaact tattgaaata aaaaaaatca tatcaaact cataattcaa 60
 aaaaataaaa gttgaaataa ccataacagc tatgcgaatc aaaatttaag tacgtaaaaa 120
 aatgatacta ggaaacccat atttgaacat cccaaccgt aagatctatc aaatatcccc 180
 aaagcaagat aagaaccaca tcaacaacat tggccaagc tatatccaca caatacagtg 240
 acaatttaca ggaaaaaac aaatacattt taaagcagaa cattgggttct gaaactatca 300
 aatttactgt ggtcttccac tgtatcaaaa ccagacggac caaccttagt tgtcatcatt 360
 tatccaactg ttttcatctt ctactagctt ggagatgctg aaatggctga ccctgatc 418

<210> 9683
 <211> 386
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104b10a1

<400> 9683

tcacgtcgat ctatcgctat ctgtcgctac gaatgtgcca agtaccgtac ctgggtgtggc 60
 aatgacgtgt gctctgatat ttgttcggtg tatgggtgtt tggtggttaag cttatgtggt 120
 ggttggtgtt gggtttatgc acacacatgc taaatgaagg gtgacgaggt tcatttcaca 180
 tcttcgtttc ccgtctcatt tccctactag gctttacaac aactcttctc atcttgtcct 240
 tcaccaccac caagttctga accctcttgt tattattaag cttcgcaagc acccccaccc 300

cataccacag ccccaatatc ccgtaacatc acgcacacgc ccaaaccgca atcacaactt 360
acggtatcaa actggctcca ctagac 386

<210> 9684
<211> 322
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104b10d1

<400> 9684

aacaaaatca catgggctta atttattcaa cacagcttca cagacaaaca acaatgttga 60
tactattaca caatatgtaa gcctttatgt attcaggaca agcagcattc ttttacaaga 120
ataataacta tcatttttaa ggttatgaat gaagagtatc agcatactaa actacatatt 180
gggtaaatga attcattttc caacacacta acaaatggag ttgcttgagt actaactagt 240
gatcctgtgg aaacaaacca cagggtccatg cctctttagt aaaacaagga atgaggtgtc 300
tataggacta aacaacaaca cc 322

<210> 9685
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104b11a1

<400> 9685

acactaggag cagctgtcga tctatcgcta ggaatgtgcc agagtcctgt cacgcttcac 60
tgaggctggt tgatttaaac cagagtaaac cgacaggtag gagtgatcgg aacctgccgc 120
gtgagcatca cgatagcatt cggtttaaca cggtaaacaa taggtgtagc gatgcgcagc 180
ctttgctgaa cattagtagt attccgtcta tcaatggctg tgagccgcgt aacattagct 240
aaatgcatat gggctttaat atgctacaac ccggtaggct taagctaagc ataggttaca 300
atgtgcttgc gctgcagcca tattaagttc ggctaggtag cagttagcca catagcgctc 360
tgtgtcggcc gagcttatag tgtcccggat taacatattg gctgtcgcta cattaatacc 420
taaggtgatt ctagtgctcg tagagatcct gtacgacatg gtagtggt 468

<210> 9686
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220104b11d1

<400> 9686

gttaatcaaa gcaatttttaa aaattttcat taaaaatatt tccggtagac ctccaaagat 60
 aaatacaaag aataacaaat tgtctacgga ctatgaccct catcatcaca ctctctaaca 120
 gtactcaatt gatgatgcat ggatatgtgt ttgtgtaatt tcaattaagc cttcatgaag 180
 ctaagtgcgt gaggaacacg gagagctttc aaccagtcgc ttccaccgtt ggctccagcc 240
 tgtaggaact gggcaggggt gaattgggta gcttcttcgc ggctaataag accacggtaa 300
 cccttcact tgatccttcc gttaacgttg gcaccaggtc catcgttggt gtattcagca 360
 tagtacaagg tgtcttcgaa gtgttcaccg gcccatgggc accatccttc ggggtgaagg 420
 aagtcacca cggtggattc catcaca 448

<210> 9687
 <211> 582
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220104b12a1

<400> 9687

catacagaga ctagctgtcg atctatcgct aggaactgtg ccaggtgcct gtgcactgaa 60
 tgacctgacc gtagcggggt aaacatttgc agaccgagca gtttcagtca gggctgcgcc 120
 ccaccaaca ccataaccgc ctaccgctag gtgtagatag ggtagggcca cccctacat 180
 agccagcttg gcccactta gggctagagt gctacagaaa actaagagcc atgtagtgct 240
 ggaccaaggg gcactgccac ggccgcgtat tgggggttaca cagtcaggcc aagcttagcc 300
 ggcgcccacg caaccccaaa cgcagccgtt cagagaactc caaccactgg gtacggaagt 360
 aagaccatta tagaaggtag gcgtgcctag cagcgcaggg gaactacgga ggccgacgtg 420
 gggcgccggt actggtgcgt aaacggtcgg cgggagggcc taagcaagag tgacaagtgg 480
 caggcgcagg ngcggggggtg gtgaaggtga gcgacgcagc ngaatggann aaaaaaaaaa 540

gaaccctcca tcttcatgac gcactgtcgt catttcccag ga

582

<210> 9688
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220104b12d1

<400> 9688

aagttaaaat cacttaatag aattagaaga aaaaaaaaat caaaatcaag attctagata 60
ttcattgcc aataaacaac gaactttgac agaagctgaa ccagaaaaga ctaacaataa 120
ctgcttaaaa taaaatcatg ccagacactg aattatgtgg tcctattgat taactgaaag 180
ctccttcgc ttatatcgga ccatcacttt ccccttcact ccacaacca tggcattcca 240
atcgatctct ggaaaagggtg acaccaactc cagctcaaaa ttcctaagca gatgagtcca 300
tattgctttt atctgcagat atgcaaattg ctccccaagg catccatgtc tgccccctcc 360
aaatgaaatg tatgagaatg cacctgccac cttgtnctct tccctcccca cagcaaattc 420
atcgggatca taccta 436

<210> 9689
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104c01d1

<400> 9689

taagctgccg gtgaatttac cgtcctacat gtgtagcagt gccgccttgc ttgggggggg 60
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggccggc 120
aaaaaaaaag ccggcatccg gggaatagcc gcaattaagg ccctagaagg ctccggggcag 180
aaccagcttt ggcaggccaa taaccgctgc ttgatagggtg tatggtagct ttcgatggaa 240
gtataccgga ccggataatg gaaggacac ccctaccccc caaaaggaat ttaggatcgg 300
ccccaaataa aagcgaacat aataagtaaa aaatcgggga ggcgttattg gataaaaagc 360
cggattaaaa aggcatgatt ggctcaaaga gggaaatcta gtgtcctggg ggagaccgct 420
gccccgggtg gccagttacc ccgaaattta gagccccct cggaccata gtaaaaagca 480

ggttactggc cagg

494

<210> 9690

<211> 495

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104c02d1

<400> 9690

tacttgccaa gaatttgccg tgctacatgt gtagcagtgc cgccgtcatt gggggggggg 60
 gggggcctct agatagcata tgaagttagt cgtagaaggt attaaaacta ggcaaacaaa 120
 agtagataac aagagctaata aaagacaaaag agcaatcctc tgatgtatga acgagaatca 180
 tatggaaaca agtagaataa aaagtagcaa agggggcaaag aacaggacag acctacgacg 240
 agtggctctt ctagaggacc ggacggcgtc aatccatgca cagtgggata ggaactacag 300
 catcataccg gagacgtact gcgctaatta gtactacacc catagcgtgt aactgggcct 360
 ggtcacgaga gcgtcctaca aggactactg agtacgcttg ttatgaagca aggcttggca 420
 aggggggacta ctaagacagc gatagatacc aaaacctggg taggtcagct taaaccataa 480
 gctagcaaaa gaggt 495

<210> 9691

<211> 338

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104c03d1

<400> 9691

ggtcttgaat tatttattta aagaaattcc tttttggcat ttaaaaatta caacacttga 60
 tgacacgaag ttctactcac caaaacaaat gataaaacgt ttatttgacc aaaaaacccc 120
 aaagctcttg gttgataatg tgaacaaga ctctacaaaa tacaattatt gaatattccta 180
 gaatctcatg gcgctagcgc aaccgtagag ctatgtgcca aaaaatagtg aggaaaacct 240
 tggggctata aactcatgaa gttatcaatc atgtgtaggc agggcagtta tctgaagtcg 300
 cgcaagcgac cctacatgtg agcttgatca aagttaat 338

<210> 9692
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104c04d1

<400> 9692

ggcaaaagtt tttttcctta ataacatata cacagggtat taaacaatta atttacacac 60
 tttgatgaga agttcgcaag aatcaaaaaca gaaccagta tcatgaacat tggcatgatt 120
 catgatcact aacaaacgca cgtagcctga aaactataag aattctgcac atacacgaca 180
 caaattgccca cccccaaaaa aattaataaag aagaagaaag aaaccgtgat gaacctcgca 240
 taattaatat gtcataatt taattcaatt caaatttc 278

<210> 9693
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104c05d1

<400> 9693

cctagaaagg ggaaaattat tgagttacca gttcacaagt aaatgacctg tatgaaaaat 60
 accatttttag tatttggaac accaacatta catggctttt ggggacaatg ccaattacaa 120
 ctccaggccc cctaacatga caagcctctg actttgtgat taagtttcag gcgaaacatt 180
 ttggtacagt ttctacatca agggcttctt cctatgtatt aaaccacaaa gggaaatgga 240
 atattcacca atgagaat 258

<210> 9694
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104c06a1

<400> 9694

ctagctatcg atcatgtcgc gtagcgcaat cgtgccagag tagccgtgca ccgggacaac 60
 gcaaccgtga acctcggtga aacttgtagg gccagcagaa ccggaggcga gtagccaagc 120
 catgcctaag tgtagtgggg ctgaccctgg tgaacagggt taaccgcaa cggaaccca 180

ttaaaggtga tgggttgcgt cggcctatgc aactaaaccc cgatggcaca aggctacaaa 240
aactactagg tgggagggcc aaatactggg ataagcgcca aatgtatacc tgatattaga 300
cgggtacata ggtgttcgtg aaactgttgc tgggtggcca gcaggagctg ggggtgcaggg 360
tgccaggctg ccagtgtgag caagggccgc cgccaaggaa tgcctgggtga gcccttaggc 420
aaggctacca aatttaccag cttggcgggt ggcagaccat accaacgcca gagggtaaga 480
agatagcaca acaggtgggt cgggtgttgtt cccgaaacca acattagcag ccgcta 536

<210> 9695
<211> 146
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104c06d1
<400> 9695

ggagaagata attatttcaa ccattgccta cataatacat atacaattat atatccatga 60
ttccatcatt ctgtatcaca tttaaagaaa aattatggct tgttgagcac aggcaaacga 120
aaaggatatg catcaatccc ccaact 146

<210> 9696
<211> 526
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104c07a1
<400> 9696

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ggcggtggtg cgtgttggtg aggagttctt attcgacttc ttcttcaatc cagtcatcag 120
caacatcatt ggtgcagttc gtaacgcgcg ttccagctcc accattatta ttgctgtaat 180
ctccactatt atgggtgttct tggtaacata aacggtccta acattgatct tatctaccac 240
cactatcatt attctggttc gagtggtaac aataatggct gttctcttaa cgtatattac 300
aaaggccagt ttgttcttcg ttatcctcgt attaccgggtg ttcagtgatg gttcgtccac 360
gggtcttctt acggttggtc ttgcaacttc tggtcgtggg ttgtgcatct gtacaactgt 420
atcagttgat tcattaatca ttgcttgatt cagggtcagg cctctcaata gcccttcggt 480

atgccacgaa aaaagtaccg gtcgcttcag tcgcgccgt tgggat

526

<210> 9697

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220104c07d1

<400> 9697

gggagaactc aaattaattt cattcaggtt acttgcaata actataacag ggggtaatga 60

tttggggcta gactagctag catagagaat tacagaataa aagcctaaac atgtgcttag 120

cagtttcctc cttcataaca ttacattgng caaattattt cnacactacc aaaacttnnn 180

ccccttcac acanaaggca tccatcctta tatttaattg ttagaaacat gtatagcagc 240

gacaggtgag accatcgagt ccacccaca tacattgcga cctctgcaga tcttgtaata 300

tccctcttct cccagctct ccccccata attctttatg atccagtaag gcttttcctt 360

aaaacgaatt ggagcataag caccagaacc ataccccacc aaaagaacc 410

<210> 9698

<211> 558

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104c08a1

<400> 9698

tcacgtcgat ctatcgctag gaatgtgcca gactaccgtg cacgagtga acaacatcga 60

aattgggccc caatgtgcga ggcaggatat cttaggcaag tgtgaaggtc aaggtagtc 120

tacatttggg gtcgggcgtt gtgtaaacgg gtcggtgggg cctttccaag gcagagaggt 180

acgctaaaag ggggtggggc ttgcagaaga gagcgaaata cgagagctat agatagcttt 240

gagggggccgc gggcggggac cgcgcttaag ccaccctaaa agtggccagg tgtccaagta 300

cctctagcgg cgccaaaagg gactgctaac ccgggtgacg gctgtttggc ctcataacag 360

agttgaggtt caggtgttgt gccagcagca ccgcccggccg agcaccaaca aggtgcggat 420

gaaacacgag gcgcaggtgg gggttatgca gactatgcaa ccctaggcga gaaagggtgt 480

gacaggagag ttgcaaggat tgcaaaaata aagccaaaac aagaatcacc atagccacgt 540
 ggtactgaag tggtaaaa 558

<210> 9699
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104c08d1

<400> 9699

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 gctacatact cattagagct aaaatgctaa ctatcaccaa atcttaccba aagagaacaa 180
 ccattgtcat caaataacca taacttcaca agccacttaa tttcaacatt ttaagctata 240
 aaaactaaaa catgactcaa acaattttgc ttttttcttt ttattgttct ttgagtcagt 300
 gcttctcaga gccagaatct ctcttctccc aaaacttgaa ctgcacagat ctttgttcca 360
 gcattctctc cacttctctc atagaaaccc ctttgggtctc aggcacaaaa acaatgacaa 420
 agaagattgc cacaatggcc acaattccaa acagcatgaa tgtccatgct gtccctatag 480
 cttctgtgag ggacaagaag 500

<210> 9700
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104c09a1

<400> 9700

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 tactgcctaa caaccaggct gccgcactcg ctggcacggc cgctcgggtc gcgggcgcaa 180
 cagccaggcg gccgcctgct ccagccgcgg ggcggatgaa cgggggtggg gcggcaactt 240
 gagaccggag gacccaaaaa gaccgcggga tggccgacgt agaggaaggc gtaggcctaa 300
 agatgcttga acatatgctc aaccgtgccg gccgacaaag gccctagcga gggcaggggg 360

ggccagttgg gaggggtgctg gggaggggtgc cggcgctact tatgggcca aggcgaggcc 420
 ataatgggtg cggcttagtg aagtgacggc aactgactgg agtcgcgtaa aaaaaataag 480
 aaagaaaaaa agaaaccctc gttcttcatg acgcactgtc gtcatttccc aagga 535

<210> 9701
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104c09d1

<400> 9701

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 cccttttttt tttttttttt tttttttttt gacacgataa gctagcttca actagattag 120
 atggcaacag aaagttgacc aatacaattc ccaaagtggc tgcacaacca gaaataaaac 180
 gagaaataaa ggatccaaaa aaatgaaata catgccaaat ttctaacaac cagaccttca 240
 cagtgtatta tgcaagtttt gccaatgacc attaatatgt gtaccagta aacacctatt 300
 tttccctaata aacc 314

<210> 9702
 <211> 594
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104c10a1

<400> 9702

gatcgaacta gagcagtcga gatcgctcgt atcgtagtcg gtgtcagaga gatagtcagt 60
 gagaccaact cgcgtgatgc tgaggcagtg aaaccaattg tgagagaagc gcgcaaacta 120
 atggacaatt aggctttaga gattatcagt acaaatgttg aggcatagaa gatgcctcct 180
 gaaccgtgtc cgcgctacat tactgcgagt gttgtccacg aaaccgattt cagcagtggtg 240
 ggaggatgac gacgtaagcc gtagctaagc taagcatcgt taagtccagc ttagattgca 300
 aaataaagtt catttagggg gaacaaaagc ccgtaacttg aaccttggga atttcaggcg 360
 ccgtctccag tatactagca agctgacacg gggttctcat ttaattattc tagccgccac 420
 taaacagcca taggccacca gctgcagacc gccgacaaca aaacagacac caagccttga 480

gggagagaca acgaaccagg ggcacaacgc cagttaactt aactatttca gttaggtcct 540
gctagttata cgtagcgccc acgctttcca ggggagtttc ggtgggcaac ccaa 594

<210> 9703
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104c11a1

<400> 9703

acactaggag cagtgtcgat cgtataggta gcgaatgtag ccaggtgcct gtacacctga 60
ctggatgagt gagcctgagc tgaaccagat aggttcgccc acacgagcgc aagctttgtg 120
ccggcagccg cgataaggta aaccacagcc ggagataatg gcgcaactaa cgccatggcc 180
ctcggctaac agaaagaagc caactgcggc ctagcagctg taaaagccat agctaggggt 240
gctggcgggc cagaagccac cccgtaaagc ttacgcgttt ataccggga caccgcagcc 300
gcgaaaaaag gcgtaacaga gacagcaagc taaacacaac aacctggcgt acgctttgca 360
tgcgactgct aacaagatgg ccccaactga gcatgctacg gcgacccac agtggtgcga 420
gagcagccat tatcagattg ctagaacgaa aatgcctacg taccaaacag tgatgcct 479

<210> 9704
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220104c11d1

<400> 9704

ggggggccca aaccgggggg gtaaaccccc caaaaggcc cccccctggg ggggaaaaaa 60
aaatcctgcc aaaaaccaac aatcaccccc acccgctcc tatacaccac actccctct 120
tacgaccaca tttccacca cctaaatctc caacataaac ccaccaccac ccccgggggg 180
gggagccctc accactctac gacaccctc nccccccct tttatccca tgccccagc 240
caaaaagggg ccaaaaaaaa aacccccccc cccgcccgc ggaaaaaaca aggggggggc 300
cccctttggc cccacgccc tttggacaag gacaaaaagg ggaaccccg gggg 354

<210> 9705
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104c12a1

<400> 9705

acactgagag cagcgtcgat ctatcgctag gaatgtgcca gagtcctgtc acctcctcgc 60
gggtcaaggtg catctgggga tctcacaac cccattatt tgtgaacttg aacgaggttg 120
taagcattca gactcgataa cgattcgac ccaaacgca aaacaatttg agggaccac 180
gctaagacac aattgcacag ttcagctcaa taagtacgtc aaccactgga cacttgggat 240
ggcagagggg cgaaactcta tgtatgtgaa tcttcgattg gggctagcag cccgtactca 300
caaaagccca atactcctgg aacttaggaa cgcgacctct tgggtacacc gccaaagtgg 360
gacggtgggt gagggcattt caaattcagt cagtactta gcactaccgg caacacactg 420
tgaat 425

<210> 9706
<211> 612
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104d01d1

<400> 9706

ttagctgccg gtcaatttgc cgtggtacac tgtagcagt gccgccttgc ttgggggggg 60
gggggggggg caatgcaaga ttttgataaa aaccagagaa gagagcacta agaaaaacaa 120
gatagcttgg ttaccagcta aaactgggga ccgaataaca tttgaggggt gaacctgctg 180
tggaatacac catctgataa atgacaagaa actgatacaa agcggaatgg accaattaga 240
gtgcctttaa ggaggagatg gcgtatttgt gaaatatacg aatagcagcc aatgagctgc 300
aatgccaaag tatggcgact gagcacaata acaatgatag cctgactggg gtgacgaacc 360
gggtggagtaa aatttaataca aagaataagc aaagaaacac gcagtgcgcg actttctagt 420
aaaaagctag aagtgggcag ggtgaaaata gcaaattctg taagatgggg aactacgggg 480
tggcgggcct gtaaacaatag atggcagtac gcaggttggc agccaaacaa catgtaccaa 540
tgtcggtggt acgggccagc tagctagtgc aggcagctgt tcgccactaa ggagtattgg 600

cctggctgtg gt

612

<210> 9707
<211> 422
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104d02d1

<400> 9707

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gattggggcc ccagatgtgc gaggcaggat atctgtaggc agtaatgaag gtcaatgtta 120
gcctaaattt gaatgtcatg cggttggttaa acgggtcttt ggttcccatt ccaagggcaa 180
aaaaaaaggc tgatattaat gaggtcttac agaagatagc gcaatacttg agctatagat 240
agctttgaga tcttcaagct gaaccacgct taagccaccc tattaggtga caagttgtcc 300
aagtacctct agcggcgcca aacggcaatg ctaaccata gtgacggctg cttgtcctca 360
taacatagtt gaggttcagg gtgttcgtgc gcagcaagca tccgcacttc catagcaatc 420
aa 422

<210> 9708
<211> 147
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104d03d1

<400> 9708

aggctctcaa ctttcaccaa ctatcgggta atattaattg tgggaagcag aaaagaaaca 60
agtccacaat aaagccaaac attacagcga ggtcccaaaa ttcgagaaac catcacaggc 120
cacaaatgca aaccaattca attcatt 147

<210> 9709
<211> 404
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104d04d1

<400> 9709

0953113-03200

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 taacatttgc aactgaaact tacaaacctc aggtcatggc acataatctg agaacataat 120
 tacaagtaat ttataaactg aagcagatgt ggcttcactt attctctccc atctccacac 180
 taccaagact aaatgagaaa tcaccaattc ctcacagctt aaataatacc aactccaaat 240
 ttagacagaa atgaaaagaa aagctaaaag agatcctgtt gtcaagagat cagtactaa 300
 aatcaaagct tccactgcga gagctgctgc cgttacgact atgtaaagag aggcccctca 360
 tgtggccaga caaattagaa ccatccttgt tttccagaaa aacc 404

<210> 9710
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220104d05a1
 <400> 9710

gcgctacgtc gatctgtggc tacgaatgtg cccaggtgcc tgtgcaccaa aaaactgaaa 60
 caaaagttgc gggtttcaga aaaattttcg ttcatagacc gtgccgtatc tccagtcccg 120
 gcaggcacag ctatattctc actaccacta atcctcctcc tctcctcgc tgctcgtct 180
 ccatcacggt ttctgtccga tccacatccg caatcccgtc tataacggtc gcagaaaccc 240
 agatgtctgc ctcaacccca gtccacgtcc aaaatatagt ctactcaca tcggtatccg 300
 accacccgat tacgccctca gagatgggtga tttgcatcct aacaatttac accataatgt 360
 tcttgatcgt gttcgtggta gtctctgtct tgttcaccta ttcacgttc tctttgcggg 420
 cactgtatct gctgtcatta cactcccaag cccaactata accgctagac ttatggtcag 480
 tctgtctgtc aactccttt tgatatgtgc aaagattctc ctacaagcgc cccgagaaca 540
 cagggggtaa atccctgt 558

<210> 9711
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220104d05d1
 <400> 9711

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 ctctgttctt tacattggtg gcattttctaa ccttttgcca gtccgcacaa tgggttaatt 120
 ttacccttgc aggagctttt aatctaccat ttaggcctaa caaacaagg atgggggtccc 180
 ttaccttgtc aggttttttg ccttggaact ctataattgt tgttaacacc atcagaaagg 240
 ggaaccata agctttgact tttttcaaca ccattttccc aggttggggg tctaactctc 300
 ctatcatggg tggccccacc atcaaaaaat tgggccacac cacttggaca ctttcttct 360
 ccactaaatt cctcctagca tcttgccaca gtttttagca gttctgattg cagcaaggga 420
 caattttcct ta 432

<210> 9712
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104d06a1
 <400> 9712

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 gactcttcca cttgttgatt gatttcaa atcttactta atgtctttcg caatataaaa 120
 tgctatctta atttggaatc cgatccgcgc ggtaactggt aggatactat tggtcgtcgt 180
 agtggtttgt ggtacaataa tgttggtcgg tgcgtctcta gggttggtgt cgacaagtag 240
 tagtaactta acaagcccggt tagagttcct ttacctttac ttaaccacc ttaactgtgc 300
 cccgcctacc ggtcaccacc ctgaattca tcggcgacac accggtattc acgtcagtgt 360
 tggtcataac tactgtgata aataacatag tagcccaact aactatatac tgataagctg 420
 tctgtattac cgggcgaatt cgacgcata cacatgttag gtgttaaccg ggccatcaaa 480
 gacacacctc taggcacaag ccacacggtg aggcacact gcataccac cagcggtata 540
 gcaataggca gcttctct 558

<210> 9713
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104d06d1

<400> 9713

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 attacagtcg aacaggaggt aatgtaaaat gcaaaaaact cataacttac ggcatggcac 120
 atttgattct gaaagtacat aaccctgact aatttgcata taacaactaa tgctctcgca 180
 cgcttcaaat actcaaaggt atcatcttgg ttgattccag aattacgtgt tccagcaact 240
 ttggcaaggc agtgagctat tattccatgt tttaggaatt ggcttcccta gcacgatgag 300
 aatttcatga cagtagggta atcttcactt catttcaagt tttttcaacc aataatcaag 360
 ttggctggca acacatgctg acccgggtgga gccataagag acaaatttct taatcgcat 420
 ttctactcca agaaattcat acacatcctc ctcaaagact ggatttatac ttctcagctc 480

<210> 9714

<211> 541

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104d07a1

<400> 9714

gtcagtcga tctgtcgcta gcgaatgtgc cagagtgccg tgcactagca gcagcaaacg 60
 ccaacaaaaa caggaccaca cgcaaataac aacaacaaca acaacaacaa caacaacaac 120
 aaggcacaac agccgcgggc accaaatgca ctgcacctgc ccatgcccat gagcgtgttt 180
 gccaaagcca gttatgctaa taatgcaact gctgctgctc caaggaccac gcaccaacac 240
 acccgggtgtg cacatgcaaa tgcagcaaact acttattcgg cagggcagct ggaattgtgt 300
 atttaccac tgctgctgct gcagccgcta cagttatcgc acaacttaaa catggtcttc 360
 aagcacaaca tttggtgctg gtttcagttt cttaacttgt tgcttaacct ctaacgccgc 420
 ccagccgtat ttcgcaacgt gggttccaac aatagcggtc tactttaaaa cactactcct 480
 ccacagcaaa ctcaagacac tactttgaag ctaactgggc gtaaaccggac tagccagcca 540
 c 541

<210> 9715

<211> 501

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104d07d1

<400> 9715

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tttagagtca ttatcgtttg tgttcataat ttatacttac gacatctcac aactttgttt  120
gaaatatata ttatataaca aaccataatg atacacanat ttacttaact atattttttta  180
acannntnnt nnnnnntnn nnnnntnna aaaattaaaa attaaaaaaaa taataattta  240
aatantntcc tctcatgatg atggagcaga ttttggactg gtaactacta gtctagctcc  300
tgttcttgca tttctccacg gctcttggtg ccagtccaat agcttccttt cctttcatga  360
tacgtaaacy cttgcatgat tcaacaaaca tctcccatgg cacatcaccg acaagcatcc  420
agtcgccatc cctgtcttca taggtcggga catagtcgga gctgttcaaa agatccatca  480
acttgctctc attcatgaaa t                                           501

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<210> 9716
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104d08a1

<400> 9716

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gggttggggg tgacagctta ctgattggag cgggccccac gaacaaaggt actgacaaaa  120
atgcatacct tagcgaagag ctgagcaggg cagggcgcat gaaggggcag ggggggttgg  180
tgggcggcgg gttggggaaa aaccgactgc atacctgacg aaaaccaacy acaaagaaat  240
gcgtgtgcag taaaaggagc ggcggggcca acgaacaaag gtacagccaa gaatgcatcc  300
ctgggcgcag agctgagcag ggcagtgggc atggagggca ggggggttgg tgggcggcgg  360
gttgggaaaa atagcgtatg accgcaggtg ccgcgcaacc cactgggct aatgtcgcga  420
ctgcccgtgg tgcagtggga tacgcgcaat aagtgcacct tagagtagcc gaggaatggg  480
cggaggctat agcatccagg tattggctcg cagtggcggg tagataaggg ta           532

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<210> 9717

<211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104d08d1

<400> 9717

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 acaagaagtt ctactcacca aaacaaatga taaaacgttc tattcaccaa aaaaataaaa 120
 agttcttggt tgattttctt aaacaagaat atacaaaata caattattgc atctcctaga 180
 atatcatggc gctagcgcag ccgtagagct atgtgccaaa atatagttag caaaccttg 240
 ggtctataaa cttatgaagt tatcaatcat gtgtaggcag ggcagttatc tgaagtagtg 300
 cagttttccc tacatatcaa cttgatcaaa gttaat 336

<210> 9718
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104d09a1

<400> 9718

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 gccggcgaga taacaataga cggggtaaatt ttcatacca actgggccga tccaaacgaa 120
 aacaaataga taagcaaaga tgtcccacta atgcaaacgc ggaccaaagc tgcacagctg 180
 cggcatatca aagacgtaga gtggctgctg gttgaggcaa cagcgtagta gctggtaggg 240
 gcgtcttaga actggtgcat tagatgggag tttaacgaag cgaagagcgg tgcaaaaaag 300
 gcgagtgggg gagagagtgg cagttatggg gaacataagt gtagggttgt aaggagagcg 360
 acgccggcat gataaccaga acaaaaacta aggcacggta ggcactgcaa ggtaagcatg 420
 ggcaaacaag agggtagcaa aaaaaaaaaa aaaaaaaccc tccttcttca tgacgcactg 480
 tcgtcatttc ccaaggaagg ttccattccg attgctanct cgattactgg gtttgagacg 540
 cacgtcgagg acactagcat cgaagtagcc gtagac 576

<210> 9719
 <211> 369

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104d09d1
 <400> 9719

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 ttaggtcccg ggctttgaaa ccgcataaag gtaaattcca taatcaatac ctaacaaccc 120
 aaggggaaaa tactaaagac tgggtagcta aaaactcagt tggatgcccc ccaggcctga 180
 tgggcctagc aaattttttt tttatgatac aaaccagcgg acgatccagg gtcattggtc 240
 tcattcacag gcggggttgg gaccaaagcc gctccagcca atgatccagg gccatcggtc 300
 tcattcacag ggtgggtggg gctcaaagct gcccaagcat atggcaaaag cttggaaggc 360
 caaaagggg 369

<210> 9720
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104d10a1
 <400> 9720

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 cagtatatcg gttgcttaat ttggctatat actgattgta tagaaatgag tcaactgggc 120
 cggatgggggt gtgcgagaac acggaaaatt atacgggggt aatcggggga aatttttagt 180
 aacggcaaaa tgtaacgtga ccagggggccg gagaatacgc aggtaaaggg taaattagct 240
 gcgcaagggtg gggattttgc tacgcgaggt aacgggttaa tggctggtag gtgggggttaa 300
 ccgacggcca ggcacgcatg gctgggtagt tgctgccga cagccgctag cgcagaaagg 360
 gcaccataa agcggcggat aaccgggaag ccccgcgat cacatgccac tgccccttag 420
 acgtagcggg gctaaggcca ggccgctggg c 451

<210> 9721
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104d10d1

<400> 9721

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agatcatcat cacaccttta ggctaacagc agaaacataa ttagcaaagt gaaaatatgt   60
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ttccctttgg aaacacattg atcttattcc taattactac aatgacaagt atgaccacat   180
cctactaata tataccctaa caccacatac acatgtgacc atcatcatct tggaagcatc   240
tctggcacia tatctgggcc actaaagga ggtgaatttg gttcatggcg gttttcgggt   300
cttt                                                                    304

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<210> 9722

<211> 554

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104d11a1

<400> 9722

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cagcgtcgat ctgctcgcat ctatcggtag gaatgtacca ggtacctgtc acctccggcg   60
gtcaggtgca gtctggggat ctcaaaacc cccattattt gtgaacttga acgaggttgt   120
aagcattcag actcgataac gattcgacc caaaccgcaa aacaatttga gggacccacg   180
ctaagacaca attgcacagt tcagctcaat aagtacgtca accactggac acttgggatg   240
gcagagggac gaaactctat gtatgtgaat cctcgatttg ggctagcagc ccgtagtcac   300
aaaagcccaa tactcctgga acttaggacc gcgacctctt gggtagaccg ccaagtgggt   360
acggtggttg agggcatttc aaattcagtc agtgacttag cactaccggc aacacactgt   420
gaataccttg gccaacattc atgtatcgag cgctaaaag atccgcagca tggcgccctga   480
acccggcaaa ccttaattga cagtccagag actggcgggg gatctcaaag tgagggtacg   540
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<210> 9723

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220104d12a1

<400> 9723

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 gataggtagt tattctgggc ggtaatgtaa agttgtaagt ctgtctcagg gtggtggtgc 120
 caaggtgtaa ccagtgtcag aaagcctaata tatgcttgcg ggtagtaggc ggactacaaa 180
 gcatagggtg agagagcaac tgcaacggcc acgactgctg aaaacccacc aggtgctgta 240
 ctgctagtaa gggagttggt agctgctgtg tcagaggcgg taccattggc tagccatgat 300
 gactctgagc gatggcaaag tacgacatac cgggaagcaa tggcgccgcg tacgcgagcg 360
 gatactgccg tagatttcag ggagcggctg atagcatggt tcgaagcagc agccgagtaa 420
 cactgggtgt taacaacgct agcactggga tagaaacatg tgntggaagt ttgcgatgg 480
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<210> 9724

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220104d12d1

<400> 9724

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 gaaatacagc ttttcaaata taatcaagaa cgaacaaggt taanagtngn gnnnnatttt 180
 tttttttatt tttnnnnnt tntttatatt tnntatatat aaaaaattta atttaaattt 240
 attttattta tttanaaatt tttttttatt ttatcctgga gccaggtaag tacaggggat 300
 taaggagagt ctttatgtaa agctcatgca cctcttgga gaagctcttg ataccatcat 360
 cattacggga gtcatgtagc aacataaatc gggtatgacc agctgtaaca tacactgaca 420
 ccacaagttc attaaacctg 440

<210> 9725

<211> 540

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104e01d1

<400> 9725

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 gctatgagca taaacgggag aataggaaat tagctaggag cttctagcag gacaggaaaa 180
 atgaaaaaaaa aaccaacagg aggttaaatt aaagcatgat accttacctc cgggaaagac 240
 accaatacca ggcaaaagct ttgtgatcgt gagcccgaag gtaaccatat cctgaaccct 300
 gctgccacgg cagcgtggct ttggttaacg cggaaattag ccattgttgt taatggtgac 360
 gctgcttagc ggatggcaaa tcgttaagag cagtggtttt ggctgcttag tagagtggtc 420
 ggtttatagc cccaagggga caggggttaa ctagcgagtg ggatagctac ccctaaactt 480
 actggtgctg cagccactat ctaagcggcg attgccagtt gtgccgcagc tgggtgaaggt 540

<210> 9726

<211> 480

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104e02d1

<400> 9726

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 atatatatat aaaatgtggt aagcaaccaa agagacttgt ggcccacagg gtaggtaaaa 180
 tatagtagtg actatggtat atccagctaa atagccttgt cacttcaagg ttcactggat 240
 cgatttcgct agctcatcgt agacctgtgg tgagacgcgt attgaaaggt aaggtatgcc 300
 ttcgtcgggg ataatcgtct catgccc aaa atttgcctcg ggtttaatgg aagtcttggc 360
 taccatagtt tttgggtctt actggctcga agactgaaga cttttctatt cggctcttgg 420
 ttttaatacgg ctgtacttgc aagccttaag cccatttctt tgcgagtcct ctaggaaatc 480

<210> 9727

<211> 371

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104e04d1

<400> 9727

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gcaggtcacc aatccctcca tcttggtcaa cgtggagtgt acaatatcaa catttacata 120
tttacaagac aaataatgac gogatgaaca tttacaatga gtgtgactta gcagctgtac 180
aaactatgtc ttcaatgcca atgtccaaaa ggagaaagga atgaaaggcg acggtgaacc 240
attcaattaa tcatcaaact tcgaatacaa atcagcaagt gcacgataga gaatggcagc 300
ggcaggtggc ctaggcaacg agccaaaaag tatatctgtt gcagttatag actggctgcc 360
atagaaacgg g 371

<210> 9728

<211> 510

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104e05a1

<400> 9728

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gcaaaaaagc agacttggcg gagctaggct atgcggcccc ttcggcaaat gtcggggcag 120
ccagtgaat acccgoggag tcgcttgtgc gtagatagcg cttcacagga gagccatggc 180
ggccaagtgc acggccaacg catagacggg gtaggcgtaa aacgcaaact ggtaaaactgt 240
agaacggcag atggctacgt tcagtgttgc gcatgacagt ctacagaagc ccctggcgac 300
cacgagttga ttggacacca actgacacc acatcagagt caccttggga gtgcaacct 360
agctgcagag caagggatgt gcataaatgc atgcctagag agcaaccgag ccatgacagc 420
ttttgctctg tagatatgcg tagccgctac tagagtggcc tgctgctgca gtgagagaag 480
tgtcagtcga gtacatgctg agctcaagta 510

<210> 9729

<211> 475

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104e05d1

<400> 9729

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 tacattagaa ctgttctaata gtcaaactac cattgaaaat gctgtccaaa gtagcccctt 120
 gāgaaacggt gcgatggcca caagccttga ctttaactct cagggctcag gtgggaatga 180
 agctgggttta tcccttatat taacaggact agagcgggtt atcaatttta cactcttaac 240
 ggccgatata gctccaacga aaacaatgct tatgtacgaa atccttattc gcttgccatt 300
 cggattaact gtttcagcag ctgccccatc cgcttaatgt tgaccatata tgctaccgcc 360
 actgctcttt atgcttaatg tccggcctga gctatcatcc gctgatgcag gggccccag 420
 caattgccac agcattgccg ggcaggctct tttcaaagca caaaagcttc cgact 475

<210> 9730
 <211> 617
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220104e06a1

 <400> 9730

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 gggcataaag atccccgggc cggtcccgta cttatgcgat gtttcccgaa accatttcga 180
 agttgggaga tgccacgtag gcataactaa actaagcacc gttaaggcga gcttagattg 240
 caaagtaaag ttcatttagg gggaacaaaa gcccgtaact tgaaccttgg gaatttcagg 300
 cgccgtctcc agtatactag caagctgacg cggggttctc atttagttat tctagccgcc 360
 actaaacagc cataggccac cagcgacagg cctccgacaa caaaacagac accaagccat 420
 gagggagaga ccaacgaacc aggggcacaa cgccagttaa ctttaactatt tcagttaggt 480
 cctgctagat atccgtagcg cccacgcttt ccaggaggag cttcgggtgg gcaaaccxaa 540
 aaatcccga catagagctc gacggcccaa gacgaagagg tactagccgt gtaacagact 600
 tggcattgga gaccagc 617

<210> 9731
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104e06d1

<400> 9731

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ggcaatgtag tagcttatacg tgctagggga gtacaacacc atggacagaa ggctaaaagt   60
tagacctctt tttgtagaaa acaagagaat aagaggtttt attggttcta cttgattcat   120
ttatttgnac taatttctag ctgactatct tttagtttcg acgtgcagat ttcattgctcc   180
atgcttttag gtattccacg gtgatatgct cagtaccgtt attgaacaca aacaaatgag   240
cttttttctt tattgctagg gtaggataaa ccctagacaa gatgtttgtt cttccttcgg   300
ctccaaaact ctccactact gagtgatcaa tcaaactctt gagagagagc tttttatttt   360
tggtctaaatc cacattcaca aagcctgcaa atgat                               395

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<210> 9732
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104e07a1

<400> 9732

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cttaagattg ctagaagttg cgtcgagaat gttcgaggcc ggaagagggt gttgatagag   120
gtatagataa aacgggtggg gccgagacct ttagttgggg ttggtattac ggcacaatat   180
cgcagcaaac tccaacagc atcagcgagg tagcaagagt gaataggta actctgcagt   240
agatagatgg ggcagaatta gatgtcgtag caaatgcacg agatgagta aatgcaagtg   300
acactgtttt aaataaaatg ttaaataagct gtgaacgccg aacacgaggt ccacaaggct   360
ggattgctaa gggctagcgg agattttcgg ctatgagttc aggtttatag ggctgttaat   420
aggttgggag aaagcgctga attagagctt ttggctagtc ggtccctagc gatgtaggtg   480
gccatggtgt taaaccctag gtggcatacg atatagaagc agcagctgca tcggcagctg   540
gcagacatat ataactgagg aaaaaggt                               568

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<210> 9733
 <211> 145
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220104e07d1

<400> 9733

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attacatacc atgtaatata atatatcaaa gtactattgt aaatatttct ttggctcgga 120
tttcggatga tcagggttgc tgttc 145

<210> 9734

<211> 547

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220104e08a1

<400> 9734

aatagcgtcg atctgtcgct agcgaatgtg ccagagtgtg gtgcaccgca caacgcacga 60
cacatcagca ggggctgggg cgcacacaca ggtcaaaaaa gcaaccgggc cacagccggc 120
agcacgggcg ccgggcgccc cggacgcggc cgcttgcgcg taagaagccc gtcaggtcgc 180
cgccacaaca atacttgac acgcatagtc ttccacaaaa gaacacccat atatcatagc 240
cttaggccta atgggtccaag attgtaagat ccgcgcgacta gcctacccaa tcgttgggat 300
ttgaaccaga ataaaaaacc ggctaaacac gggcagcatg ggcccagggt tggtaaagta 360
gtttttccgc tgtggtttat taggcggtga tgtcagtctc caacggctgg tgggctgggc 420
aaccgtgcc aagctttacaa gctgccgctg gtgctgcggt ggcggcttca gcagcggcaa 480
cagtttgga ggaatgagcca tattttggca caacagcctg tgggtgcatac gatcggcaca 540
ataggat 547

<210> 9735

<211> 317

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220104e08d1

<400> 9735

acataataca tacagattca tataacaacc ggggtgggata ttctccggtt cacattcagt 60

aattagggct acaagaggaa accattcact taatcaaaca aagggatgaa ccaatcctca 120
 ttttttattt cccctcctgc cattgacctc aaaacgttaa aaggggggct gaagcgttgt 180
 atacgggggt tcgaccaaac cccccaaatg aaccgagttc tggtagtgcc aaagccgggg 240
 ataggtgcta ccttccaaaa gacacaaacc gagaggaacc ggaagccggt gtccccaggt 300
 cacaaaactc tcaaatt 317

<210> 9736
 <211> 603
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104e09a1
 <400> 9736

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 tcatcaactt aaacttaaac ctaatctact tgggtgttgtt ccccatgagt tgcttcttag 120
 ttattatggt gttcagctta gtctttgcct gtttggttaat tagcgttgtg aggttaattc 180
 agttcttcta gatcttgttt gtaaaaatga tctacagcta ggactccagc ttaaaaacat 240
 acggcaatgt aactttcatg ccgttaaccc ggatacttcg tgtccgcttc tctagtggcc 300
 ttgggtttta gatcagcagc tgaggggcct ggataaaacc ccgtgtcaaa gtcatttgta 360
 taatcacttt tggaacgtgc cgggcctaca gctctacaac cttggccttc tccttggtac 420
 cttgtctttt gtccttgtag attttggtcc gcagctgggt gtgcccttgc acagcgccct 480
 ttcgtgcatt ctacatttta ttatgaccct ggattgctaa tacttgagg gtcgcaacag 540
 cagctagcag agttacacac agttgaagaa ttgtaatggc taatggcacc attacacaag 600
 tag 603

<210> 9737
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104e09d1
 <400> 9737

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 cctactttta atatatatat ttactttgtt ttatttaatt attaattaac taatacacat 180
 taaaaagaag attgatttta agtttgaggt agagtaggtg atgaggagga tcagaaggaa 240
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 aacgtaaacy tgtcgtaacg caggaagaat tccaccaagt agagcctgca catgagcacc 360
 accagattct tggcgggaca ctgtttatca tccggtgtgg gctcctccgt ctgggggtccc 420
 gtggaccaca agacgtgtct caagagcttt tccccgtc 458

<210> 9738
 <211> 565
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104e10a1
 <400> 9738

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 tactgttcgc aaccgctgtg acaaaagccg gctgctaatt ctactacggc ttaaaccggct 120
 gctgctgctg ctgctgctag taatgttggg ggtggtagat agcgttatgc gcctgcggat 180
 attaagcctg taagtgtagt ctagcaaaaa cctgttggtg aagtgcccc agcagttggg 240
 aaaaagcgta cggagctact cgtactaaat gaagccgcta tgtacgcggc tgccgccgtg 300
 ggtaaagcgt aaaaggggca cgaaagtga cgggtgtcc caaagccatc ctttgcaaac 360
 gaccggcggc tacgtggtgc gataaggatt gcggcctaag ccgccaacta ggcataaagt 420
 aacgagcact acgctttaa gtgtacctgt actaaagcca acctgacgtg taactgggct 480
 ggtgaaatac tacattagcc tagtgccgct gcgcgatttg gtgtaaacag accaacagcc 540
 aaccctcgcg gacaggagtt gcgtg 565

<210> 9739
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104e10d1
 <400> 9739

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gcaagaatac cacagcaaga ggccacatt aatgaaagca cactgaattg taacagctgg 120
gagaaataaa ctactacaga aactggagat ggagatagca cgggcaactt aaaatcacat 180
tttgcccagg gcacaagatt actccgtcaa tgcttcaaaa aacattctcc cacaaccgg 240
ataaataatc ttgtatgttt tcatccgcat cctggtgaga caggataatc taacacgccc 300
ttccatcttc ctatctttga gaagggtaca cagcaccagt tgccctggtc tgctgtttag 360
aagcaaagct tgagactagc cttccatttg ctgagcctga gatttgggca ctgctcatac 420
ttga 424

<210> 9740
<211> 516
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220104e11a1
<400> 9740

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gagtgtgtgt tcttaaagggt gccggcccag gccggtggtg gttatggtta atcttagctt 180
gtggggggcca aggggttaca gatttgtagg gagccataga agtatgcatt gtcttagcgg 240
taggatgttc tgagccaggc tccggagtcg tccctcgctg cgccctgccc tcgccaactt 300
taaagccctt gggtatttta aacatctgtg gtgtaacggg tctgtgttgt ctttgtttaa 360
gttttaaaat catattctgg ggattgatgt tcgtattacg gatggtctct cgcacaaaca 420
tgtcacgccc acgttgcgcc gcatgcaaca tcagggtctg tagtgcgcca acggccggca 480
acaaaaacat ccagcctccc tagccaggta cagcag 516

<210> 9741
<211> 501
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220104e11d1
<400> 9741

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 acctaccctg caaactgcaa agtggtgact gtgattattc atcaactgcc ggtctttctca 120
 ttttatctac agagacttgg caaatacaat aaacattcat gcaacgaaat tttgagagct 180
 accatatctt gttcactgta tttctcagaa tcaaacggta gaaaaagaag agggcagaga 240
 gagctaacag taaaaaaaaac atgaactaaa agaaaaacct gaatattgat gttattcctg 300
 cagcatgaca atctttttttt aatgacataa agatacaatg tagctatttc cagttaaaag 360
 ccgcctcata gatcaaacia atggagaaag aataatacca ttcttcttga accatggctg 420
 ccaactagat ccagaataaa catttgcccc aaagcaagaa gtgacatctc aatttctaata 480
 tctactgccca gaggggaattg g 501

<210> 9742
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220104e12a1
 <400> 9742

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 ctgtaagagc ttaaccaaag ggccaataga caacacgctt ctcgcttaga aggggtgctgc 180
 cagcgcgcggt gtggctatgt aacggatgcg agagactatt aatacaagca gaacgaaaaa 240
 caacgcaaga agaaaaagca aaaagaaggg tgcaaaacac aaacgcaacc acaggggact 300
 gggtgagaag aggcactggc gtagagaaca ggggtactgcg aggtggagag gaaggctggg 360
 tgtaattagt gctggtgcat acagacactg ggtgagagct aaagaaagtg agacgggtag 420
 aggtg 425

<210> 9743
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220104e12d1
 <400> 9743

<400> 9745

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 atggtgcgta gaataggagt aaacgggtac aggtgttcga aggtagagtt ttgagtagtg 180
 ctttatatta taaatggttg tgtgattagg gaaaaaccag ctatattgta cggagtaacc 240
 actagtatgc agcagccagt aagttaaagg agggagtaat aaagcaacag gtgctaacag 300
 taagcctatc actaacactg ctactgggcg gtgtctatgt gtgggcggta gtactaccag 360
 tatgcgtact tataaggttt ctgttacttg ccacagccct aatttaggtg tgctcggacg 420
 gtggagttgg cgaccacgat aggcacgtag aatcactagg gcgacccaaa atgagccggt 480
 gtacactaac cctgagcgtt agagtcttag gcaagcagag attgctaaag tttttatgag 540
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<210> 9746

<211> 498

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104f03d1

<400> 9746

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 tagtaatcaa catttgaggt tcattttgtc gttctggatg gggttgtccg actccaaaaa 180
 tttgccccag atgggggtgtt tctgccaaac catactcatt tcctcaagtg ggatgccctt 240
 tgtctcaggc aataacttcg cgatgaataa ggatcatgac accacaaagc acccaaagaa 300
 gatgaacaaa ccaaaacttta tgtgacagag cattgatgtg aaaaattgag ctatgaagaa 360
 agtgctgac atgttgacac caactgtgat actctgagca gcaggtctaa tcttcagggg 420
 aaagatttca cttgggtatca accagcctag agga.ccccat gaccaagcaa aacctgaaac 480
 atacacacag atgatccc 498

<210> 9747

<211> 361

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104f04d1

<400> 9747

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tatgtataga taaagtgggtg atgattaacc aaattcataa gaccgggtctc aagtaccttg 180
taaccaact ccatgccatg ctccattctg gaaacgataa gatttttagat tattcctctt 240
acgcttttgt tccccttgac ctagctgaac tacactctcc atgcagatgc agttatcttt 300
tgttttgtat atatgcatat acgtcttcta gagcttttct ctttttcgct tttatacaac 360
a 361

<210> 9748

<211> 606

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104f05a1

<400> 9748

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tttgatgtac agtctgggta gtcgtcattc agattgtgct cataataatg gtgtgggttat 180
gtcagttatt ggtacaaatc aacttgtggg ttgtagtgtt taggtattta ggtagcacct 240
attaaacatg ggcggcacatg gccccacag ctgccagcac gagagtgtg gcaaccacta 300
caaacgcagc ggccagtacc aatccctgcg gcgacaataa cacaacaatt cccggtacag 360
ctgcggctaa cctagctaga agcgaagcat gctggataag ctgacgcaa agtgtttgct 420
attactattg ctgcggaaag tgctacggcg actacggttg aaattaatag ggccggataa 480
agtgtaatta cctaagttga tgggtgcgcta aaagaaagta aagctattcg taggcttgta 540
agtgactaag gtagatctgc accgccaaat ggtgtaatat taatatgcaa cgagtgcata 600
caaaca 606

<210> 9749

<211> 317
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104f05d1

<400> 9749

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 taattttttt ttatattatg catttgtagt tttttgaatt tccactatat gaggcccaca 120
 ttaatgaaag cacactgaat cgtaacagct gggagacata aaacaacaac agacacagca 180
 gaaggagaga gcgccggccc tttcatgccc aataaaccce cggcacaaga aaactccgtc 240
 aatgatacaa aaaaaagggg ggggaaaccc caaaaaaaaaa tttgcaaggg gccaccccca 300
 acccggggag acaggggt 317

<210> 9750
 <211> 575
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104f06a1

<400> 9750

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 cccgcacacg ctgtaaagtg acacacacta tgacgatgtg aaaacgtgag gagaggtggt 120
 aaaagagcat tagctagtct cacgtggccc tggggcggtg tcctcggagc cctaatagta 180
 gtgctgggcc acgcggttgg ctgttaggct taattgggga ttaaagtgat aacaacaaag 240
 ttatgcaacc gggttacgta tgggtggagc ggcggctatg cggtagccta agctgggcca 300
 gggatgagct gggtcgcaa acccaaatgc tttgttggtg taggattagg aatataggc 360
 caagccggcg ccacgtaagg gattgggtga gtggttgaag ggagctttta accaacttaa 420
 cctggataat tagcaactgg tgggtgtggat gcaacgcggg ccaggtccgc ttagctgggtg 480
 agtaatgtgc gattgcgtaa acccactaga ctcgtggctg agtagaccag ccagggcttg 540
 gcagggtaat agtacgcgtg ggctgctatt gtgtg 575

<210> 9751
 <211> 522
 <212> DNA

002200-032200

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220104f06d1

<400> 9751

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agtacaatat gagagtgata tgggccaaat tagagaggct aattnttgcg cccaacagat 180
acagcttcct gatcagagca atttaatat tacctttttc ttttttatta cgtatcactt 240
ataccaaaga ctacgtacta ttcttgcatt gtagatatga gcgatattag atgtgacctc 300
actcagtaaa gtaattgaac gtttaattag gttattttct ttttttaact tttcttgta 360
ttgatccctt gtttctccac attcatataa tctcaatgac gaaatcatat cagactttgc 420
caacagcacc accgtgatcc ggttccattg ttcctatctt cacaacgtca atgatgtgcc 480
cattcaattc ttgagccttc actgggctct ctagtgccac tg 522

<210> 9752

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220104f07a1

<400> 9752

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atgggtttga gtataatggt ggtatgggtt gaagggtttta tatatagggt gcgggtgtgc 120
agcatttata atatagttcg ggtacgtaat aatagaatga aggaaccggt aggttatgtg 180
taaactctga agctttttgt ggctagtgat ctaggtggaa ggggactggg catggctggg 240
ctggactgga cggaagggtt cacgcacaca aaccccgaa cctgatcggg ttttctaggc 300
aaaggccgga tggcatgact cggagacgaa gtagtgcggg gcgtaaattg ggtatatgca 360
tgtaatatgt gatttggagg ggcgtgggt gcagggtttg actaggctaa cggagctcgc 420
gaacagaaca cgacgaacct taaccttacg caaacgtact acgcgttggt gctaattgga 480
atagaacaag caagtgtac ataaatatgg caaacgctgt caaagtcagt cagtacac 538

<210> 9753
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220104f07d1

<400> 9753

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ttttttaaaa aaaagggggg ggggggaaaca tttggaaccc cccctaaaaa aggagggggt 180
ctccccacc cccggggaaa ggccccctcc cccccccaa tnaaagtgtg ttgggggggg 240
nnnncccccc ccaaaaattt ccccaaaaaa aaaaagggg gcccaaaaat ggggtttttt 300
aaaaaaaaaa aaacccccgg gggggggaac ccctttcccc ccaaaaaaaaa aaaaaaaaaa 360
aacccccccc ccaaaaatt ttaaaacccc ccacgggggg ggggcccccc cgggggggcg 420
aaaaagccc tccccccctt ttgggaaaaa aaaaagagcc cccccccaca gggggaaaaa 480
aattttctcc cacacaaaaa ggggtctccc caattt                               516

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<210> 9754
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220104f08d1

<400> 9754

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aaagcagacg tggataaatc aaagactgaa accaacacaa ctagtaatca acatttgagg 180
ttcattttgt cgttttggat ggggttgtcc gactccaaaa atttgccca gatgggggtgt 240
ttctgccaaa ccatactcat ttcctcaagt gggatgccct ttgtctcagg caataacttg 300
tagatgaata aggtcatgat caccacaaag cacccaaaga agatgaacaa accaaacttc 360
atgtgacaga gcattgatgt gaagaattga gctatgaaga aagtgctgat catgttgaca 420
ccaactgtga tactctgagc agcagggtcta atctcagggg aaagatttca c          471

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<210> 9755
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104f09a1

<400> 9755

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 gggaggcgcc atggcgggtg ggggtgctgt ttataaggaa gaggaattca gacggccgca 180
 aacggcacac atgaaaaaaaa aaaaaaaaaa aaaaaaaac cctccttctt catgacgcac 240
 tgtcgtcatt tccaaggaa ggttccattc cgattgctac ctcgattact gggtttgaga 300
 cgcacgtcga ggacactggc ctggaagtag ccgtagactg cgggttgccg gcaaaggcgg 360
 agttctgtat aaggttatat aatagatcac ttccaactag aaacgcgaaa cttgccccgc 420
 ttgaagcacg cactgaatgt ataggaaggc tcggctctgt atgcattctg ggttacgtcc 480
 caaattgcgt cgcttactgc taggaagcaa gt 512

<210> 9756
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104f09d1

<400> 9756

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 tggtagcta aggaagtgtg tcgccccaaa taaaacgcct ccaataaacg ttaggattcc 120
 cgtgggggtcc caaaatttta gaaaacggga cagcgcgga aagcaaacc ttttagtttt 180
 tttttgtgcc ggatttcttg ctaaccctcc cgtaacggct tcccagcctt tctcctgttt 240
 gggcacctgg acacaccgga gtgccccgct tactttgagg ttaagctggg gctaacacc 300
 tttgggggcc cttgatgggc ccttgggccc ttcggggttt ctggggaaga acgacaacta 360
 ttggggcccc caagggaacc cttttccacc tt 392

<210> 9757

<211> 491
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220104f10a1

 <400> 9757

 aactaggag ctagctgtcg atctatcgct acgaatgtac caagtgccgt gcactgatgc 60
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 ataagcctac gcattgaaaa gttttgttca acaaatttca ggttcgagtt atttttacgt 180
 tgattctctc tctctgtaaa caccaggggtg ttactgtat taaagttggg gtttcttact 240
 gtgcccctcg tcttgttggg tgtcttttct tctttcagtt ttgagtgcaa aagtttcgtc 300
 ttcagtttaa gtttaggttt attcatcaac aacaacaaca tcgaaggcta ccgagttcaa 360
 atcagggctt ccacaggacg cgtaacggta acaatcccag tggtaaaagt gttccgaaga 420
 acatccgagt tcaaggtatt aacagtctgg ttacgggttg gtactggccc agttcacacc 480
 atatcagtgt c 491

<210> 9758
 <211> 439
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220104f10d1

 <400> 9758

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 aaacacattc ttcagaatgt caatcgtaga gtacagacta tatgcagata ttcacaaaat 120
 ataagagaat cataataata aaaaaactta cctctaggac atattccaag gcattatcat 180
 attacatcaa tatcatcaac attaagccaa tcattggaat ccttggtcac agaattacga 240
 gcacttgaat gctgggagcc aacatgtttg ctttcaacag agtttatatc cttatcagag 300
 ttaggcgaac ttctacctaa ctgaacccaa tctcgagagt cttttgttga agaatcagag 360
 cctgatctag tttttttata actttcatgt acatcaccat catcctctc aagatcactg 420
 gatgacacat cctcgatcat 439

<210> 9759

0953113 032200

<211> 570
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220104f11a1

<400> 9759

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cacgggcttt atctaaatcg agtcacttac ttgtgtaact gacccgggtgg tattctctgt 120
taattgggtgg tgtgtgtttg gtcgttttgt taaggccaag cgcaggcgca tggatatagct 180
gccgactgca taggggcaaa ggcgaatgcg ccgccacta agaggagaga ggggctcata 240
gtagccacag atacatggcg cctaccttca ggcattgttg ctgacacaaa cgctgggcga 300
gcaagaggtg tgtcgtgcag gatggtaacc actgtgagtc aggcaaaatc gagtatcaac 360
ggaggcagca acagtgataa gtaacggcag tatcgccact tagccagcat ccncaaggcg 420
tcgccgttgg taatgctagg tgcgtggtgc gataaacggg ggatgagcaa ctgtattcgt 480
aactaaagct agccctgcgg aaaatattgt cagggtgctgg atagaacact ccngcccagg 540
gtgtgagtgc acaagccgct gcagttaaac 570

<210> 9760
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220104f11d1

<400> 9760

aaaccatcaa tgtaaaacat gatagttcag gaatgatctt tagtctaaaa cttgcgatta 60
caaagcatga aattcaatgc accaggaata agtttttagta tacattatct ataaatgtta 120
atgatagcat tcaccaatct aaacatctgg caacaaaagg gctantccca atatttntnt 180
ccattaaatc cattccantt ttcttccatc tctttcatct aacanttent nttctcccn 240
nnnnaannnn nnnnnnaaaa acctatttac ctccactatc ctttctagga attctttcca 300
tgttggcatc tcctttatta tcccctaaat caccatacat gtctttaagt tgagctagat 360
tactcgaagc agaagttctc ttactctcct ctctctgagg actagaacgt gattcatact 420

gagcagtgcc agcttgccagg cttcgacttc tacttcgact cctgctccta cgatagtgct 480
tactac 486

<210> 9761
<211> 425
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104f12a1
<400> 9761

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gcgggacagag ttgatcaggg caagcatccg ctgcgtccgg tttgggcggg ggtagccggg 120
tactgggaac agacattcga aaacttggtg tgactagcac ggggggaggg tataacggcg 180
gaaaccacaa taggacgtgg atgcgaagta gatgagtttg gccaaagggc ttcgattaaa 240
aaaaaaaaa aaagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaacc ctcttcttg atgacgcact gtcgtcattt cccaaggaag gttccattcc 360
gattgcaagc tcgattactg ggtttgagac gcacgtcgag gacactggcc tcgaagtagc 420
cgtag 425

<210> 9762
<211> 180
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104f12d1
<400> 9762

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aacctgggaa aaaaaaaacc catgctagag aagggtttta cgggctattt taaagctgaa 120
accctgaaaa acaaaggga cccccgccc cccattaaa aagggggtgg gatgcaaac 180

<210> 9763
<211> 387
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104g01d1

<400> 9763

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 gggggggggg ggggaccaa aaaaaagtcg gtgtagggat gatgcaagag gcagactgca 120
 ggtagtaggc ggaacgcatg cccgaaaaac aagatcctag atgaatatag agagaacaaa 180
 gaataagagc catggtgatc attagttgtg atggagggtg atatcccgga tgtaatgaac 240
 tgcagagtgg caaggcccat gaagccagcg cacttagtag agagtggccg cattgcatgg 300
 gctgctagag tggagactag gcagcacggt atggaggccg tggataaag ttgaggggat 360
 gttacatgca ctgcggaagc aagcccg 387

<210> 9764

<211> 578

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104g02d1

<400> 9764

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 tgttgataac taataaaggc ccataacaag gatacgcggg gtcaaataa gaaaagagtt 180
 gcggatatta aaactattga aatattcagg gataatatga aaggaaagag ccaaagaaa 240
 aaacgaagtg aactgggtgg accacagggc cgacttgccc agccacaggg accggttggc 300
 caactttgtg tacgtggtgg acctaataaa atacccggca gcgggccaac tatcttatta 360
 gcgctaaggc gtatgttact aactaagggt tttaatgtgg tagtcggttg aatgcttaaa 420
 actatcgcggt gcccaagaag ttgcggtggt ggcggcggtat cgctcctagg ttacttaat 480
 gtaactattg tcctactgac cgaggtcaca atgctactta aggagatccc actattgca 540
 ttcatatctg cactcgattg gttgggtggt aaagaatc 578

<210> 9765

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104g03d1

<400> 9765

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 aataaaagcc aaagttgtga aagtacaaaa tcaaatatca cagccattgc actaatcaag 180
 tttcactctc atacaccaat tttttttgga atgattgtta ctcttccata gcatctcctt 240
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 tggggaaatc aaagcctttt ggattgacat aggtacgagg atttggtaga aggtggttcc 360
 tgagatatcc cttatgtccc ttggttatca cacaaacatc aacattactt ccacttccta 420
 ggtcattaaa tataaccagca catatcgctt caacaactag cttaatgcct tcacccctac 480
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<210> 9766

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104g04d1

<400> 9766

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 tgacccaaaa acgttttaaag gggggaaaaa aaaatggcta cgggggtttt accaagcccc 180
 cctaataaac cgaatttttg gcttgccaaa accggtgaag ggcgccccct tccaaaggac 240
 acaaacagag gggccccggg ggccgtgggc aaaaaaccac aaaa 284

<210> 9767

<211> 535

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220104g05a1

<400> 9767

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 aaaaaaaaaa caaaaaccaa ccacagacca aaccggaag gcaagttaaa aaaaacaaca 120

[illegible]

aggggggaact	gggcaaaaaa	aaaaaaaggg	aggggggggcc	cccttagccc	cccccccgaa	60
aaaaggaaaa	agcccccggc	ctttataaat	accccccccc	ctcaaattta	tgagggaaca	120
attttggggc	cccccccggy	gggccccctt	ttatacccc	aaaaaaaaaac	tccttcaactg	180
ggggggggggg	gggggttaag	gcattccctg	gcaaatcccc	aaaccaccgg	gggccttggg	240
ggggggggccc	ccccccccag	ggcccccttg	gggaaaaaaa	cccccccccc	ccattggggg	300
cccccggaac	aatttttttc	catctcccc	cccaaagtcc	acctcccccc	ggggtaaaaa	360
aaccaccaaaa	atggggcccc	ccaatttggg	aacccccggg	gggggggcct	cccaccacaca	420
aaaaaaagggg	ggggcccccc					440

atagcatcga tctatcgcta ggaatgtgcc agataccgta catgcagtgc tgccgtaagt 60

acagacgagc aatacacact gtaatacctg gccagaagag tgggtcagta ggcaccacgc 120
catcgtagcc atattctggc aatggcgcca cgcagaagaa ttactaaact atgcccgtaa 180
agatgcctct gcgattatac ccttggcacc acggtctggc tgtgtaaggc acctcattga 240
tgctgcacaa cgtagtgcag aagaggagac tacagctacc gttgtagaag aaacggcacc 300
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ggtaccaacc gccgaagcgc tggttgatag taaggcagaa tatgcctaata aagctgcaga 420
ctacattgcg accaaagccg atgtgctaac tccagcgagt aaatatgtat gtgtanctac 480
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<210> 9770
<211> 327
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104g06d1
<400> 9770

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tgtaatacag tttgtttcct ccccaacccc cccnaaaaaa aaagaaaaaa aaacttgtca 180
accaaaccg aatccttcat ttgcttcatt aatggcaagc aggaaccttt cttccaaatg 240
ttgttttagat ggatactctg gcaaactctaa ttgattgaaa caggtatgag cagaaggcaa 300
gtgatcagaa ctcccatatg ccttatg 327

<210> 9771
<211> 553
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220104g07a1
<400> 9771

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catggtagta agcctgcgta aacgggagag gcgcgatgat gttagcgagc cctagcggca 180

caaatgacta caacaaagaa acaaaccctt ggttgtgcgc caaccgcggc accttaaagg 240
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 cagtcagcga ttacgtagga ttttcaagca atgagttcac ctgcagcctg ggcgaggtcc 360
 tggtttaata ccgggccaaag cagcctgctg tacgggaaac tggggtgaca gctgatgcc 420
 cctggagcca cactataata ctggctaact aacttgcctg ctagtggtga tactatgccg 480
 gtataacctc ctccataaca catgatactc tgtatgctga gtatgtaatg cctgtagtag 540
 cccagcagag gta 553

<210> 9772
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104g07d1
 <400> 9772

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 cttgcaagct cagaaaaaca aaactcaata tatttcaaga ctaaaaaatc ggtaatgatt 180
 ttcaagcaat attgtggtat ggtttaataa taatagtata atctatatat atgaaggcaa 240
 acattatgca gcttgcttga gcttctttgt gatgccggca atgtacttgc cttggtggaa 300
 tgcttgctgt aactcgagct cacttgctg tcttgagccg tcaccggcat aagttccggc 360
 accatatgga cttccacctt tcactttctc catctcgaaac atgccagcac caaacgtgta 420
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 agtc 484

<210> 9773
 <211> 588
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104g08a1
 <400> 9773

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09531113-032200

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ggtaatggtg gtggtggggg acatctaagt aatctaagcc aggccctggg gcgctagaaa 180
attgcgacaga acgccctggc gatcaatagg ccggaggtgc cgtagtccgg aaaactgctg 240
ggctggagga aggagcattt catgccatta gtgtcaggag gagtgattag gctgcactaa 300
caaccacgca cacttaagtt taggcaaggc acgtatgggc gccatggtag taaataaaaag 360
aaatgttaca tacactgtgg taggaggccc gttaagtacg atggcagtat cgtaaggtag 420
cacaatgccg ggacgctaac cgcgagaaat atagttaaact tgctgccgca accgctgagg 480
cggagataaa tactactgga gagtggccag ctgagcgatc aagcggttag gccgttacta 540
gtgaacctga gcctactgct gcagtacgga atggcctaag gacacctca 588

<210> 9774
<211> 348
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104g08d1

<400> 9774

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gcttgtgaca ggaagagatg gcaagttaaa caggaataag tgaataacat tccatctccc 120
atgcaattag tcgaccctt tggaccgttt ggccacaca agctctccac agaaaattta 180
acaaagatcg aaagcagatc tatcaactca tctatttcaa aacgtatatc atacataatg 240
gcaggacctg taatgattct accaccaaga tacttagcgg ctaccatgta aacaaaaatc 300
ggagtgaaaa cagaaaaact atccctttgt agagtgcag ctacagat 348

<210> 9775
<211> 625
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220104g09a1

<400> 9775

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acatgttagg tgtgataaat gtaaagtatt aacaagacgg caaaagcccc tgcgtgggta 120
 tcaactgcgg tacttcctgt gggctcaaca accacagctc gaggtggagc cgcccggtgc 180
 atcttcttcc gaacattatt aggtgtgata aatgtaactg accacacagt cgtataatta 240
 gggtttattag gcccggaag cggcaaagtc gccaaagataa caatagtact ggtatgcgtg 300
 ccagcggcc gccttaccat aacagttcgt tgtgcccac atatgatggg taaaagattt 360
 aagcctggag tgggcgcgg cagactaagc attccagtc gcgcccggca ctgaccagc 420
 actgctatac cagcggcaag caacagcacg gcacacagct gcgctgggta cgggggctaa 480
 ataactaaca gtggttaaag ctgagcaagc tgctgcaaag aatgcagaac tggccgtggg 540
 aggtgtggtc gtactcgtat gccgagagtt aactatagc gcttatagtg ccgcaaacct 600
 gngagcaacc ctggcatgcc tgtgt 625

<210> 9776
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104g09d1
 <400> 9776

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 aagatacaca gcttacaatt ttacacactc ctatgtacaa atgtgtgtat ttattattat 180
 tattattatt attattacgc atgtacgtag caaatatata acaggttatc agtcaaagt 240
 ttataccaag gtccatgaac actaactgaa atagtggctg ccacaatcaa aacaccagca 300
 gtttccacta ccttatcagt cagaatacca gcccactt tcatgagagc catttctgct 360
 aatttcctcc caggatccc actttcacca agcacaacgc cgcgcaaagc tgaatagaca 420
 gcattaaaca ccctctcgaa aacaacatcc ccagcttgta agctcttccc tagcatacta 480
 gcagcaacta c 491

<210> 9777
 <211> 565
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104g10a1

<400> 9777

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 attaataaac cgatacgcca tccgggtgta tagaggagcg ggctgatacc atctacattg 180
 aagatgtaca atggaacttg ccacgtgctg ccgcgcaaat gactgaaaca gccactgaga 240
 caccggcagc aagatgtgta aatagtagcg gtggtaaggg ccctacggcc acagcggata 300
 aataccagaa agtgtatttt acggctgggc agccaccac cactaggacg aaaaatctgc 360
 gggtagcaga atttaataaa attgcaggag aactgctggt tgggtgctgc aggggtgtaa 420
 ttattaaggc cataacggcc gtggatgcac caatanctgc gataataaga gccacagagg 480
 catagtggta tgctaaaggg gagcttctgc aaactgatgt gtgtgccctg gttacatccc 540
 gggggagcaa nagacgacgt gcgct 565

<210> 9778
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104g10d1

<400> 9778

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 gaccttcag gctcccaact gtcataatta cattgcaaga ccagagaagt atgacacacg 120
 acctaatga gatattccat gtattgctct gaaaactcag tagctgaaga tcgttctgaa 180
 tttcttcct tgaggcaccg gctggtttct tcaagtataa caattgaagc agagtcatat 240
 tgttaaacc ctgctgcagc ttttgcttga gaggccgact taccctcaga cgattcactc 300
 tttcgtatct tctagtagg tgcctcatg gtaacaaatt cctcagctgc acttgggtga 360
 atgcctacag tggcatcaaa gtcagccttg gtcaagcgag cttaagagc aactgcaaac 420
 ccctgcacaa tttcaggagc atcttctcca cacatnatgc aacctagaac ttcatttgtt 480
 ttgcacagac tactaatttc ataaaaacc ggtctggaag cc 522

<210> 9779
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220104g11a1

<400> 9779

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 agagggccag tataattcgg taaccagag ctgtaaccag tataaagccc agcctgctag 180
 agctacagac atccgccagg gcacagacta gtagagggtg gccacaggt agaccaagc 240
 atacagtaag taggcgccag cgggggatag gaaaaccac aaaacgtatg gccctgccag 300
 ccggactagc cgtgctgtga gcaataattg acgtaaggca gctaaaagca gctaaccgtg 360
 cgagcgggtg gcgtagacga gcagagtcag cctgccagag ctagtgaagc cgtgtctcta 420
 gtagtgcattg cccaagcgac actgctatga g 451

<210> 9780
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220104g11d1

<400> 9780

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 catcaattga ctaggttggtt aatagagcag accatgctaa ccaaccagcc caagtgaatt 180
 ttttcctttt caatgtaaaa ccaaccacac tgattgatct gtcattccct atgaatctcc 240
 cttgaattat gttgctttct caaaaccacc agctatctgc atatgcagcc atcccatttg 300
 tgatccttga gcatatccct tggccggttg tgatccaaat attattccgg cttgaggcag 360
 ttagttcgag attgagcatg aagcctac 388

<210> 9781
 <211> 552
 <212> DNA

[illegible][illegible]

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000000

[illegible][illegible][illegible]

000000

[illegible]

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[illegible][illegible][illegible][illegible]

<213> Glycine max

<223> Clone ID: jC-gmf102220104h02d1

<400> 9783

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ccaaacatta cagcgagggtc ccaaaattcg agaaccatc acaggccaca aatgcaaacc  120
aattcaattc atttaaattc aaagctgoga agaagtccta tgcataacaa aagcaggaaa  180
caacccaac tgtctactac tctctgtctt catcactgca ggaggtaagt agatgaagaa  240
gcattcattc aacaatgccg catcatcatc atcatcatca tgtgtaaagt ctcacaattt  300
cggttggaag agcaattaga acaatggcca aagccatcac aatcgcatag gtaacggtac  360
tactgggttg aaccatgctt ccatacgatg cgttttggct ctgggggggtc gtagtttgtg  420
agtttgaggt tgcagggtgca gaaggagttg tcttcgaaga atttgatgtg aagatagcag  480
catcagggga acttgagat agacccaaaa gcttaggaca gttggtgatg ctggcgtttt  540
tgacgttcaa acagaaggga gctg                                           564

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<210> 9784

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220104h03d1

<400> 9784

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taaaccatgt gtccaatcaa agatgtttgc ccagggaaga ttaatgcctg tagaatgctg  180
tattcatttt ctgtatgctt catttccaag ataataactt ctgtaatttc cttatgtatc  240
tctgttgaat attcacaaaa aaaactgttt cgagccaccg actctgaata tgcagaacca  300
tgaacaatga ccacccattc atttatacta acacaagctt taaattaatg tcacagatta  360
tactgtgaac actattacaa tatgtagata tctgaatgaa gtgttgtaa gtcctctaag  420
gtgtgggatc gaaaatacca acata                                           445

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<210> 9785

<211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104h04a1

<400> 9785

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 agcgctgtag cgaacgagtc ggccagtcgc gcattagcca gttagtcaca tggttaatgc 180
 caggccaacg ttggcagagg ggcgcgaggg acctacggtt gcaactgtggt gccagcaagg 240
 ctcgctgcgg caggggtgggg cagccggtgg accgtatgga tacctagggc ctgaggtggc 300
 ctgagattat cgtggagctc gccgtggggc agcctaagga tgctgtagcc gagtaattca 360
 aagcagatgc gcttaagcag cacagctgta gagcaacaca tacggcagag gtgcaggcag 420
 ctgctaggag atctgcacat gcaggatggc accccacgta tgcagaatag aagcggaacg 480
 cactgtcttt ttaggcctat gccgcaagcg cttggcgggt ggaagcagca c 531

<210> 9786
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104h04d1

<400> 9786

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 aacagagact aaaatgatac agatgattaa tacaatacat actaataggc cttgaacagt 120
 tcaatgcctg atcccagcat aacttaagtc ctctgtccag cccttggttg tcctgttcat 180
 tttctccct 189

<210> 9787
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104h05a1

<400> 9787

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 atttggggct gtacaacatg tggttaagtgt gggacctgcg cctagaccct taaaattagg 180
 ttgcccttat ttgtgtttgt ggggtgggcca tatgctaact ggggggtttc ctaaaagggt 240
 attggtatgc atcgcggcgt acaagtttag taaaacgagc cattgaggcg gaactgcgcc 300
 ggaccgttga tgtactgcgg ccgcgttcgg atccagttac tatgaaggta acacagctgg 360
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 gtaacttgtg ggcttttggg tgggcaaaac cgctaaaaca caaccaatg aggcctaaag 480
 caaggatagc anacaggcgg caacacgcat cacycaggtt gagcaccggc tacatggtag 540
 aatacagaan agacaaaata gtac 564

<210> 9788
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220104h05d1
 <400> 9788

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 caaacttcct gcaagaagtg aaaaagttga taacaacaga aaaaagaaag aggtccacat 120
 ccagagaagg ggaaggaaaa cccaaggctg cataggcaaa caatataccc aaagtgctta 180
 aaacacccac caaaagatgt gtcaaggcct gaagccaaca ctagggcaat gtttaaaaaac 240
 tgggaggaaa aataacttga gctaagaaac tcagggttaca tccatcctcc caatgactac 300
 aatgagccag aggagagctt cccccattca tcttggaagg agtgtagtga aaattaaaaa 360
 gaaagggtgct gatatttttc ggtgccgttg acttgagtta aaccaacaat tttatttgca 420
 tagtatactt gtgattcttt tctttcactg gtcccttttc acaaataata tctgtgagtt 480
 aggatgatgc tgatgaagat tattcttca 509

<210> 9789
 <211> 581
 <212> DNA
 <213> Glycine max

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gagcagcgag	tgacctgttg	gggggggggc	gttggggcac	gctagcagag	gtgtgggcaa	120
caagcaaaat	gacgcactca	ggagagcgcc	gacagggcaa	ggggctaacc	agtgaggaag	180
gaggcagaag	gggatggcga	agagcagggc	gggcagcac	accacacaaa	agccacacca	240
cagcaaagag	ccagaagaag	ctaggggtgg	ggcgtacgc	gaaaaacggg	tataaacgta	300
attaagtaaa	aagagcaggg	ggaaaagaag	gagcgaaaa	cgtaataaat	gagcgggcta	360
agaacagcag	aagcgaaaaa	ggtgggatag	gcggcagcta	gagacgaggg	agggaaggta	420
aagagcatag	ggggggacga	tataggcggg	gtaagctttt	tagctgcatg	ccggggatgt	480
gtaggngggc	ggcctgccc	aatacagaag	gctaccccag	ttacacaagc	gcatacacat	540
aggccagcag	aatcggggaga	cngggcccag	ccgaagggcc	c		581

<223> Clone ID: jC-qmf102220104h06d1

aaaagcagaa	aattttacatc	ttcattactg	ccataaaaagc	atatggcgga	gattcatgtt	60
tttccatgga	cttggttatca	tttccttatac	catgaacttg	ttatatatag	aatagaaatt	120
tatctattgt	tgttgtttgg	tgcgagcaat	atggctaaaa	tttcagagaa	gtgaggacgt	180
tttgaagggg	tgttgttcca	gcactttgtc	ataatgtgtt	ttagagtttg	ttggcagtct	240
tttgggattt	caggtcgaag	gccacatgca	gcaatgccaa	ctgctgcttg	tacaggtgaa	300
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acgttactca	tccatgtctc	tgtcacattc	tctggatccc	ctgcaattat	ctgttcccag	420
cccaacaaaa	aatgagagta	aaaccagtca	gcatgggggc	attgaaaaca	atgtgtacta	480
aaaaaatgtc	atatttgaat	taaataaata	ctatatgcat	caacaatgta	aaaga	535

<210> 9791
 <211> 625
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104h07a1

<400> 9791

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 ttgtggcggc ggcagaagcc aatgccaagc cgtaacctcc cggggctacc gcagcatctg 180
 ttgaaccttc gcggttttac gaggaggccc tcattatctt agattccgcg aagccggccc 240
 agcccgtaca accagctgga tcgcccgcag caactgtaag taaaaacccc gagatgtatt 300
 ggcaacgagt tgagacacta gcctagacgt actaatgccc agcagagcca caacagggcc 360
 tagtatatag gggataagca ctggtcgcgg cttttgcaac aatatttgcg atgggtggatt 420
 cacctatfff gtaagtttaa ccttaataca cacaacagca tttagaggag cgggcacatg 480
 ngtaagcgct tgcttagcga gcggctaagg taactgctg gcgtgtgcga gcttacgcca 540
 acaatgtacc gaggcgtgg gcagtgccgc agcccgact tattacggtt agagagcaac 600
 cgagctgtgg ttgtagctaa ggtgt 625

<210> 9792
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220104h07d1

<400> 9792

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 gccacaacaa gaaaatcgaa taaaaggaaa aaatcaaac caatcagaac ctacaaagnt 180
 ccaataccat ncnncatnn cataaaaaaa cctttcttcc aaggggacct aacggagaaa 240
 cttataacat actcaactta caaatccatt cattaaacta gatatatcta ttaaaaaccc 300

aaagcttcaa atatcaaata agtcaaccaa acttgactga aatatggcac aggactgggt 360
gcataaagaa cttgatcacc atccagctct tgaccaact tagaagcact tccgatgaac 420
gatagctggc ccagattcat cata 444

<210> 9793
<211> 571
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220104h08a1
<400> 9793

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gtatagacta gcttgtaac ataaggaggt tgagtgcagt cgacatcaca ctatcaacca 180
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ttgtatgtgt aaaggtcgtt gtattattta ttagtatgcc cagtagctgc cgccaaatca 300
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cggctatgca taaacggcaa aatccgcaga accgtgtgtg gccactgcaa agtatgagag 420
gcctttggta tatgttggct tatatataac cgtagagaac ggatgagcgg atgcctaaac 480
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nggggccacc aatgctacaa tacagcgagt a 571

<210> 9794
<211> 371
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104h08d1
<400> 9794

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tgcccctaac ttgacaagcc tctgactctg tcatttaagt ttcaggcaaa acatattgtt 180
acagtatcta cataaaggcc ttattcatat gaataaaaca gaaaaggaaa atgaaatatt 240

aacaaatgag aatgctagtt tcattagcct ctccaattga ctttctgctt ccttatctct 300
cctaattgctt caacaggtga cttgcagccc accctctgct ggatctcagg tagatcaacc 360
ctcataaagg g 371

<210> 9795
<211> 424
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104h09a1
<400> 9795

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gtgggaggggt ggtggcatgg gccggggcta taatacccc agtggcatag agtaacaggg 180
ccacaaaaat taaagataga gagaccttac ctgggtggaa cgcttgccat gtaactagcg 240
ctagtattaa tgctgcgtaa aaggcgcagg ttactgccta tagattaaag cccgctacgg 300
cagcgtaaac cgttggctaa cctgttgagg caccggtaac ggcagccaat aaggtaacta 360
ttgctaaatt taatgcattg gaacctcctg tagtaagccc gggcgccgta agagcggaat 420
gtgg 424

<210> 9796
<211> 466
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220104h09d1
<400> 9796

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ataggaaaaa tagtaaaaga aaattgataa ggaaaaaggc cattattggtt gctcattcta 180
ggctgcacaa gtaggagctt ttctgttat tgtgggcttg acattagcac atttagctgt 240
tgctgcactt ccgttgaatg tcagatcaat atcagccatc tctacagcct cacatggtac 300
accactacta caaacaagaa ccacccttc tttagtctcct gaagtgcctt taatgttctt 360

002220104h09a1

gaaggaaacc ttgcttatct tgattcttga cggattctgt ttggagcatt ggttccaagg 420
acaatactct tgggtctatga tgatagggtt cataacatta ttcattg 466

<210> 9797
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104h10a1

<400> 9797

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tactagaata gaatttggtg gtagtgggtg tggagcgcag gcatggcgcg ttattatccg 180
catttagggg gcgagtgggt cgcgaaaact gaaggccggt atgtgaagac cgcgatacgc 240
tgaaacccga aatgggcaaa ttgactgggt gacggcaagt agtacaactg gagaacgtca 300
agttagagtg agtgccatcg ggacatgtgt gggcagggtt tgcccaaagc agcagcagct 360
ggcaacagag ccaggagcg cttcagggtt agagcagggt gctgttttgg cgacaacca 420
gaggattcgt tcctaaatgc acttacaccg cagacggcac cagcagtaga cccagcagca 480
aagtcagcga cagcactgtc acaac 505

<210> 9798
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220104h10d1

<400> 9798

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ggctacactg atatagaaac acacaatcac aaagctacat ataatggnaa catgcaagnn 180
nnnattatat attgttatgt atataacaca tactagacct gccaaagctta aaatatttag 240
ttctactagg cctacaggat tacatgtgaa gaaaattgca gtgaaacctt ttttggccaa 300

aggaacttca catgatcagg ggtgccaacc cttttggaag gaaaataaag agtccatgat 360
 agatgataat gatgatgagg tttccagctt taagctgtca ttttactga taccaaatag 420
 agatatctgc ctgtttctg 439

<210> 9799
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220104h11a1
 <400> 9799

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 ggtagagcca ggaattaaca agagccaaat cacacagtta tggttaaggca gattaagaag 180
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 ttacactata gatagtaaaa gttacacacg atgcaagtga cgtaacaact aatgaccata 300
 gtagtacagg tgtgacaatg gtttaggaacg gttgtgaagg tacgaatatg acaaactact 360
 tcgcacggcc aacaatacaa gatattaggc ggacacaagc ataaattgta aaaaattact 420
 cagaggaaac aagggaccat agtaggcaga tacaagcata aatgatggca aatgaagcaa 480
 taaaagagac acaagaaggt gcacgtttta gtataatata cgcgccgca 529

<210> 9800
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220104h11d1
 <400> 9800

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 tttgatccta tgagcaccca gaaaatataa aactcattta ttgcaacaat aaggataccc 180
 cacattctgc tgttctatgg atagtacttg tctttcacat atcaacagat cataaactac 240
 acagatacat tctgtcattt acctgggtta tatttcttat ggtcctcgca tcttctcaac 300

aatgtgcctg ctcttttctt caatgtgacg ccttttctct tccaatttct cgctcatctt 360
 ctttccaga tcaagcatcc ttttccttct cccattttc tttggcagtc catcctcatg 420
 ttcacagaat gattttg 437

<210> 9801
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104h12a1

<400> 9801

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 gtggcgcgcc accaaacacc acttagcttt ggtggtgct gactaggcca ccaaaccggc 180
 cgctggtgcg gacgttgaaa acacggaggc gcctacggct gctgctatta acaacgtag 240
 ccagttttct gcgaaaaccg ccgcccacgg gtagacattt acaagcctgg cagcctgtct 300
 gattaccgca tgagccgggg catttatgag catgaccaa ccatttccta ggttgcaaag 360
 ccgagacaca actgcaatgt aggtagccaa cgccctaagc ctgctacggc gacctagtgg 420
 taggcctaa ctagccacgc cacggttagc cgggcacctg ccactacagt tgaagctaag 480
 gctgttgggt gtagggcctg tgtgtggaac gatttacggc tgttgaagcc ccgcccgc 539

<210> 9802
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220104h12d1

<400> 9802

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 ggacaatgat tcaagttgtc tccctagtgt acattatttt gcttacaagc caagagcacc 180
 aaggggtgtc ttgccctggc cagcctcaaa gtagaaaatc agcatagcca acatagcaat 240
 cctagcatgc ttaatctcag ccaatttcag tctctctagc ttgtcggcat ccggaatgta 300

aacgccatcc ttgatagctc cagcaaattcc caaagggtca aagaattt

348

<210> 9803
<211> 436
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220106a01a1

<400> 9803

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ctggctggag ctctgttgga ttattgattg gtgggccggt gtttaaggttc aagtattcac 180
agatcctgaa acctttcgtt caatgggtaa agagcatgct cttgttatct ccaatcacag 240
aagtgacatt gattggcttg ttggatgggt tttagctcaa cgttcaggtt gccttggcag 300
cactcttgct gtgatgaaga aatcatcgaa gtttctaccg gtcattggtt ggtcaatgtg 360
gattgatgaa tatcttttac tggagagaag ttgggccgag gatgaacgcg cattaaagtc 420
aggcctacag caactg 436

<210> 9804
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220106a01d1

<400> 9804

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aacaaaatac aatgcataaa tagttaacag tttctgatat gccttctttc ttggaaaact 120
tttgaataat gataagccta ttgaaagaat agggtagatt taaatatgga agaaactatt 180
gagaaaattg ataatcta atcaaaagaa gtgtatgccg gctttgttaa acagagaaag 240
caggtatagg aattcctgca atgtgagctt ggatgacctt ttctttttta aatctccctt 300
tttcagaaca cccaaaacct tgtccttgaa ttcagattgc acctcatctg cttgcccatc 360
ctcaacttcc atttgatcat aatctgctgc atcatcatte atgtccatac cttgatcatc 420
accaaaacta g 431

<210> 9805
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106a02a1

<400> 9805

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 cgcaatggat ttatcacggt ccacctggct cctggaagta aatttaactt ccaaaagtat 180
 atcaaaagat ccttggagga tgacttcaag gtagttgttg gagtcagtcc tgtcctctgg 240
 gcatcatttg ttgtttttct gctactaaat gttaatggat ggcattgctat gttttgggca 300
 tccttaattc ctgttgtgat aattttggct gttggaacaa aacttcaagc cacactggca 360
 aacatggcta ttgaaatcac agaacgacac gcagttgtcc aagggattcc tcttgttcaa 420
 ggctcagaca gatatttttg gtttggtcgg cctcagttag ttcttcacct tatccatttt 480
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<210> 9806
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106a02d1

<400> 9806

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 tgtgagcctc tggttgaac ttgtagccag taaagaaata gaaagcaagg gtggccaact 180
 cagcagcaac cacactggtc caagaataac gataggaggt aatagtctcc aaggcataaa 240
 cgacaaccct ggtgaagtaa atgtaacaga taacgacgac atagtagtgc ctgaagagag 300
 taagcttcat caaattaaca gcggccttgc cgtegggtcct agcggcctca cggaggttct 360
 tgatggacca gacaatgggg aaaagcacag cgcagcaaca gacgacgtca acaaggagga 420
 agacctgttt c 431

0 1 2 3 4 5 6 7 8 9

<400> 9807

<210>	9808
<211>	518
<212>	DNA
<213>	Glycine max

<400> 9808

4469

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518

<210> 9809
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106a04a1

<400> 9809

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 caaacctctg gcaaccgctg cgcagtctct ctccaaatcc cacgcgctca atccgcgcgcg 180
 tccgcttctc cctccgcctc cttccacggc ctctggtacg tcggcgggga ccatatcgac 240
 accgaccaga tcattcccgc cgcagtagct aaccctcgtc ctttccaagc ccgacaagta 300
 caagaggctc ggttctacg ccctcatcgc cctccccgcc acctacgcca cgcgtttcat 360
 cgaaccgggc gagatcaaaa ccaagtacgc catcgatcgc ggcggtgcca acttcggttg 420
 cggctcctcc cgcgagcacg cccccgtcgc 450

<210> 9810
 <211> 536
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220106a05a1

<400> 9810

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 ttttgtaaaa tcccggattc tctgaggaga aaatattagt gggttttggt tggatcgagg 180
 gaaagactcg aactttgcag attgcaaaac gaggggtcttt ggggggggaga aaatgtggat 240
 cttgtaaaag gtgttggtga tttgatcgag aaagaaaaag agaaacattt ttttcagctt 300
 caggtgattc aactttttcc tctggcattg gagaagggtt agaagaagct taaaagatac 360
 ataatacgca ttggtaacca gtcacaaag cggaatatga aggtttcttg tgacggtgca 420

taggttgata aagttctggt ggatctgagt ggattgggtg tcattntcaa atattttcag 480
 taaaggaacc atcggtgaag tggaaggggt tnttcattac ttgaagtttg atttca 536

<210> 9811
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106a07a1

<400> 9811

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 gcttcaactg ctcgaggca ccaaggaaga aaagcaagaa gatagaaaac aagaggaggt 180
 ttagtgatga acagataaga tactagaat gcatatttga gtcagagtca aagcttgagc 240
 caaggaagaa gatgcaactg gctagagatc ttggcctgca gcctcgccaa gtggctatat 300
 gggtccaaaa cagaaggga aggtggaaat caaaacgaat agagcaagag taccgaaaac 360
 tcaaagatga atatgacaat ttagcatcaa ggtttgagtc cctaaagaaa gagaaggact 420
 ctttgcaatt agagaaacta agtgatttgt tggaggcatg tcaagatgat ggaaggggaag 480
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<210> 9812
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106a08a1

<400> 9812

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 gctctgatat tttctgggag aagctttcat aatggccgtt tcatacagag aatgcgagaa 180
 aaggcttcat ctcttccaaa tgtaaaatta gaacaaggaa ctgtcgcac tctacttgag 240
 gaaaaaggaa ccatcactgg ggtgcactac aaaacccaaa gtggtgaaga gttcacagca 300
 aaggctcccc tcaccatagt atgtgatggg ttgtttttcc aacttgagac gttctctttg 360

caatcctaag gtttgaagta ccctctcatt ttgttgggtct ggtcttggag aattgtaatc 420
 ttccatatgc aaatcatgga cacgtcattt anggtgatcc ttcccccttt tgttttatcc 480
 catcagtagc actg 494

<210> 9813
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106a09a1
 <400> 9813

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 tagccatgac atgcaatgat gtgacgggtga acatggcaca gtgcctatcc tacctgatgc 180
 aaggaggaac accttcaaca ctttgctgca gcggagtcaa gaacattctt ggctctgctg 240
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 acatcaatga ccagtatgct caagcactcc ctggtttctg caagggtcaat gtcccttaca 360
 agatcagccg ctccacttac tgtgcaagca tcaagttctg aacaagccat ggacagattt 420
 gctcatttct gcagcgggat actgaggcag cagtgaagca cttactatca gaataagaga 480
 aatcgagtgt gactgtaggg c 501

<210> 9814
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106a09d1
 <400> 9814

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 caacaatcaa cttagatata tctagtgtatc actcacacc aacaacaaag actatgaagt 120
 gtctgaagaa atagaaacta atacaataaa tggctcgcat atgtgaagcc ctacagtcac 180
 actcgatttc tottattctg atagtaagtg cttcactgct gcctcagtat cccgctgcag 240
 aatgagcaa atctgtccat ggcttgttca gaacctgatg cttgcacagt tagtggagcg 300

0057113-0360

<400> 9815

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tatctct	atg caatcgacgc	cgggaagctc	aagatacttg	gatttgtatc	cagagcggaa	180
gatgtcc	ttt ttcaaaaaatc	cttacattct	cggactggct	gctgtcgccg	gcatcggtagg	240
tctcctc	tttc ggctacgaca	ctgggtgtgat	atcaggggct	cttttataca	ttaaggatga	300
ttttgag	gag gtttgaaaca	gcaatcttct	ccaggaaaca	attgtcagca	tggtctattgc	360
cggggca	atc gtgggagcag	cattgcgtgg	ttggattaat	gatgcctatg	gtcgaaagaa	420
agccacc	ctc tttgccgatg	ttatctttac	cgccggagca	taatcatggc	ttctgctcca	480
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tcactgc	tcc cg					552

<400> 9816

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cccacacgat acatctattt aggcacaaca gctcacactt tattaattag gaactacttc 120
cctgctcaag aagggttttgt gtgttggggg tcttgcccca agctctctcc ctccatatta 180
cttccacttc atcaaaggtc aatcctttgg tctctggaac ataaacaagc acatattcaa 240

atgctaccac agctatgaca ccaataatca gaaaagttga accaatccct ataccctccg 300
 caattgaaag aaaggtctct gagacaatca aatttgagac ccaacacaca gtagctgaca 360
 tgccccaca gataccttga tattcttccg gatatatctc tgaactcaga gtccatggca 420
 caagcccat tcttggcgag aaaaaaccaa tatacaaggc ttagcctaca actgcaagcc 480
 atccatacaa ctcatTTgac gtggatga 508

<210> 9817
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106a11a1

<400> 9817
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 attcacattg aatatggctg agactacaca atctaagtct gagttgttgg agtggcctaa 120
 gaaagataag cgccgcttcc tgcattgtgt gtatcgtgtt ggtgatcttg atcgcaccat 180
 taagttttat actgaatgtt ttgggatgaa gcttttgagg aaaagagata ttccagagga 240
 gaaatatgcc aatgcttttc ttggatttgg ccctgaacaa tcccattttg ttgtggaatt 300
 aacatacaat tatgggggtga cctcatatga tattggaact ggatttggac attttgctat 360
 cgcaactcca gatgtttaca aattgggtga agacatccgg gctaagggtg gaaatgtcac 420
 cagggagcct ggtccagtta aggggtgggaa atctgttatt gccttcgtga aggatcctga 480
 tggttatgct tttgagctca ttcaaag 507

<210> 9818
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106a11d1

<400> 9818
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 cccttttgat ccactaggg aaatcccgct ggtttcctat gcagacggct tatatttcta 120
 accacaccg atcaaccttg ccagtaaccg tattgcacac tgctacttcc ccgataaagg 180

ctagtacgga tgagctagta gttcaacacg ttccgctctc tagatggtac aggcacact 240
 gggccctaca gactggccaa agctcctaga ttgtcgaccg ctgcaatttt cgatccatgc 300
 agtccttaga aaactgggga cgttgctgta acgcaaaaaa ctggccct 348

<210> 9819
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106a12a1
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 tgcgtacaac gggaatctcg tccgtaagat cttgaccgct ggtgggaccc ctctcaggcc 180
 caaagcggat ctcatcgttt ttctgttcgc gctttttaat gagaaccaga agccccgggc 240
 tacttccgag agaaactttg ggcttttcta ccctgacgag aggagggttt acaatgttcc 300
 gttaacgacg gaggaactca aggactacca cgatcgctccg gcgccggtga gcggcgggcg 360
 acagctgaag ggaacgccgg cgccggcgcc ggttgtagc ggcggagtct tcaagagtac 420
 cactggatac cgtggtgctg tgcaaaccgc gatgc 455

<210> 9820
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106a12d1
 <400> 9820

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 aacaaaactg tgggtacaaat ctactcttgg cccaaccctt aaattaattt tggttcccct 180
 ttcccagttc cccccaactg gaagaaaggc caacattttt taactaacat aatgcattac 240
 cccaaaatat ttcaaaacct ttcttcccc caggagggaa tgctctctcc ctccccaggt 300
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090313

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<210>      9821
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<212>      DNA
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<223>      Clone ID: jC-gmf102220106b01a1

<400>      9821
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gaaatctggt	aatgtgttgt	caatgaaggt	ttttatgaac	tgtgtgggga	gttgtgtcaa	180
taagggaagg	cttgatacat	tggtgacaat	aattgaaagg	tgcagggcac	cagatcaaaa	240
caaagctctt	tgccccaact	gggacttgtg	caattttatt	gttgaaatcg	caactcgaga	300
ggataaatgc	aaattaagtt	tttatggcct	ggagtttatg	gctaaatgga	ttgtaaaggg	360
tgaacgtcaa	agacccccta	tatatctttc	tgtagatgaa	ggtttagtac	tgtcagctct	420
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<211>      481
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220106b01d1

<400>      9822
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4476

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<210> 9823

<211> 388

<212> DNA

<213> Glycine max

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<400> 9823

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ctcggccccg ttccctccaa atggaagggc aagtgcgtcg ccggagaaaa ttttccggca 120

agttcgtgca accggaaact catcggcgcg aggtggttct caggcggata cgaagccacc 180

cacgggaaga tgaacgagac cactgagttc cgctcgccaa gagactccga cggccacggc 240

acgcacactg cgtcgatcgc cgccgggagg tacgtctctc aggcgtccac gttgggggtac 300

gcgaagggcg tcgccgccg catggcgccg aaggcgcggc tcgcggtgta taaagtctgc 360

tggagcgacg gctgctacga ctccgaca 388

<210> 9824

<211> 386

<212> DNA

<213> Glycine max

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aaaatgaaaa agaaagaaaa aattccaaat ctttgggttt ttgttggctt ttatactagg 120

cggggcaacc tacagggggg ccaccactt acgttacgag tcacgagccg tattgatcaa 180

aacgacatga tcgattcgag gctctttata acggttttat ttgagtcacc acaatggggc 240

ttcgaaccac gtgctttcca ttcgttcacg ttagggaccc gaacaccgcc ccggacggac 300

ccattttcag ctttcgggtg tccccgccca ccgtcaccac atagtttcgc ttttttaccg 360

ccttcaaaac acgagcctcg acgggt 386

<210> 9825

<211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b04a1

<400> 9825

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 tccaagggag aaaggtgcat ggcatgggag ggaggggaag agagttcttc gtggtgttta 180
 tgaattgaaa aaaaaattag aggatatcac cgatcttttc tcaccgtgtt cttcatttgt 240
 taaaatcatc ggtcaatttc gttttatttt caaaattgtt tcggtttgaa tgcattgcac 300
 ttaatttatg gatttgaat cttctggcga ttcggtgaaa tgttgcaagc actgtgaatg 360
 cgggtgtagt gattgctcca tggcagctca atcttcaggg aattggctcc ggtctgtgaa 420
 aaggaagcac aagcagttgg aacagggcgg ccaattctct gcgccagggc cggattgcga 480
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<210> 9826
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106b05a1

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 cccatcaggc ctcaccatca gagctgggtc ctatgctgat gagctcgta agaccgcgaa 240
 aacagtggct tcaccaggga ggggtatttt ggccatggat gagtccaatg ctacctgtgg 300
 gaagcgtttg gcttcaattg ggctagagaa cactgaagct aaccgccagg cataccgtac 360
 cctcctcgtg acagttccag gccttggcca gtacatctct ggtgccattc tctttgagga 420
 aacactctac caatccacaa ctgatggcag gaagattggt gacgtgctgc ttgag 475

<210> 9827
 <211> 120
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b06a1

<400> 9827

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<210> 9828
 <211> 378
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b08a1

<400> 9828

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 cgcttaaggg accctgatac gataggaaga acaccaacaa catcaagcac agcgggaaca 180
 atcttcctac acaacggcga tgagatcgcc agggttatga gtctctgctc catgggcaag 240
 gatcttagcg gggccattaa cgagattctt gggacttgcg ttctcggttg cagctccgaa 300
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 tctcgaatga agttgctg 378

<210> 9829
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b09a1

<400> 9829

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 aacagtatgc cattctgaag gaacttatga cccagagtgg ctttgaatgg gatgagaagc 180
 gaaaaatggg aattgcaaat gattctgtat ggactgaata tattaagaaa aatcctgatg 240

.ctcgaattct taaaggacga gttatcagaa actacaatga attgtgcata attctaggtc 300
 attgtgatcc agcagatagt tccattaatg gtgcttgtgc ttatatgggt atgactacag 360
 acgatggtgt tatggaggtt catgagacaa aagaaaaaga aaaagttaag aatgctgtga 420
 catggacaga tgagatggat cattgcttga cagagttgct agtcaatcaa gtaatgttgg 480
 gaaaca 486

<210> 9830
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b09d1

<400> 9830

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 caatgatcca tctcatctgt ccatgtcaca acattcttaa ctttttcttt ttcttttctg 180
 tcttgaacct ccattacacc atcgtctgta gtcataccca tatttgcaca agcaccatta 240
 atggaactat ctgctggatc acaatgacct agaattatgc acaattcatt gtagtttctg 300
 ataactcgtc ctttaagaat tgcagcatca ggatttttct taatatattc agtccataca 360
 gaatcatttg caattacat ttttcgcttc tcatccatt caaagccact ctgggtcata 420
 agttccttca gaaaggcata ctgtttcttc catgttctaa gacgattttt aacatgttc 479

<210> 9831
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b10a1

<400> 9831

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 tctcagacat agatgaccaa gatgggttac gtttccaaat tccggtgata cagttctatc 180
 gccacgaccc atcaatggca gggaaagacc ctgtcgatgt gataagaaag gctgtggcca 240

aaacgcttgt gttttactat ccttttgcag gtaggcttaa ggaaggactt ggtcggaaac 300
 tgatggtgga ttgtactggg gaaggtgttt tgttcattga agctgatgca gatgtcactc 360
 ttaagcaatt tggatgatgct cttcaacctc ctttcccgtg ctgggaggaa ctccctttatg 420
 atgtacctgg ttctcaagga gtgcttaaca ctccccttct gcttattcat gtaacgcggc 480
 tcaagtgcgg aggtttcata ttagctgtcc ggctgaacca cacgatgagc gacg 534

<210> 9832
 <211> 367
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b10d1

<400> 9832

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 ctgatcaagg aggagtaggt cataataatt ttgattcttc tcttgctgcc actggcttgg 120
 tgattacata tacgtactcg atgacatcaa atgctcaatt attgattccc tcattggcac 180
 gtaataaagt cgaaaagtac tggttcttct tggaagaaac aatgtacctt gtgtttggag 240
 caatggctct aggctggacg atgtggtggt taagcacaca gtccaactcc ttctgatacc 300
 tctccatggc tccagttggc tcacataccg gtgttaccta cccttctct cctttagcat 360
 tcttaaa 367

<210> 9833
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106b11d1

<400> 9833

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 ggaaaaaaaa aagcttcatg caaacttact ttgaacacct gctgttctac tcatctggga 120
 tggatgatgc catcaaagtt gtatcccaat tcacattatc ttttaatgct tgtgggttga 180
 agcaatgaaa atcactctcc aatctccacc actttgttta tgtgggttga tcgaatcaaa 240
 tgacatcgat tattttttgca tctgtacaaa tgggtctctga gaaactccta tgtccgctaa 300

03110303

<210> 9838

<211> 480
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220106c02a1

 <400> 9838

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 gcagcattct gattttgatg accttgcttt ccatctccat tgctggcggc aatgcaggtg 120
 gcttgcaagc tcataagggg aggcattggt agcatggctg tcatatgtct gctcgtaatg 180
 tgacttacga cggtaagtca ctgttcatta acggaaggcg cgagatcctt ttttcgggct 240
 ccgtccatta cacacgaagc accccagata tgtggcctga cattcttgac aaagcaaggc 300
 gcggaggctt gaacgtcatt caaacttacg ttttctggaa cgctcacgag ccagagcccg 360
 gcaagttcaa cttccaaggc aattatgac ttgtcaagtt cattaggctc gttcaagcca 420
 aaggcatgtt tgtcactctc agggttggtc cttcatcca agccgagtgg aaccacggag 480

<210> 9839
 <211> 531
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220106c02d1

 <400> 9839

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 ctaatgaatg cttctcgatg acttgacctt ggataatccg caacttggta atataattac 180
 cctaatacgt gaactttgag agcagcaagc aattttttcg ttatacatga tatgaaaaat 240
 actagtagaa ctatatataa caagatcgaa aatgtaaaaa gaaaatgaat ggcatacgaa 300
 cctaatttga tacataaaaa atttcatatg agaaaaaaag ccagtttggg cataattaag 360
 cataatcagg catggtttcc ttcaaaaatg taattggacg agaatcttca ggggcaagtt 420
 cgtcgaaggc aacataattt tgctccttgt cgtacacatg acacactgtc atgattgtct 480
 tcatcaatct ccaattccaa ctagcctcat tcagatactg tccccagttt t 531

<210> 9840

<211> 543
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106c03a1

 <400> 9840

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 ccagctgtta ccaactgtcaa ccgtgccggt gccggcatgg ttgctccatt cactggcctc 120
 aagttcatgg ttggcttccc caccagaaag accaacaatg acattacctc cattgctagc 180
 aacggtggaa gagtgcattg catgcagggtg tggccaccag ttggcaagaa gaagtttgag 240
 actctttcct acctgccaga ccttgatgat gcacaattgg caaaggaagt agaatacctt 300
 cttaggaagg gatggattcc ttgcttgga ttcgagttgg agcacggttt cgtgtaccgt 360
 gagcacaaca ggtcaccagg atactacgat ggacgctact ggaccatgtg gaagctgcct 420
 atgtttgggt gcactgatgc ttctangtgt ttgaggagct tcagaggcta agactgcata 480
 cccaacggc ttcattcgta tcatcggtt cgacaacgtt cgcccagtgc agtgcacag 540
 ctt 543

<210> 9841
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220106c03d1

 <400> 9841

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 gtggcggtta caaatgcttt gcaaattttt cacacttaaa agcctggggg cttgtaggcc 180
 ataaaactga agcactgcac ttggcagaac gttgacaaat ccgatgatac ggatgaaacc 240
 gatggggtgt gcaatcttag cctgttgaag c 271

<210> 9842
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106c04a1

<400> 9842

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cttacagggt gaggtggatg taatgaactc aatttaacta aaggtattat tgccagaaag 180
atgaacctgg atttgttgat gaggatttgt ttcttttcat ttgatcta atgtggctggat 240
catactgtat aataagtagc aatttttttg ctacaataaa tgactttttt tttttccttg 300
gcaggaatct atggcatcta agtggaggat ggtgtacaac cctgccatct gtggcctacc 360
tgtctcatg gtcttgggtg ggaagtaat ggtaatggca tctgaatgga cttctagagt 420
aacgatttta ttatactat ttcatatta ttttaatgt caaccagaa aagttgtcta 480
gcctcat 487
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<210> 9843

<211> 525

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220106c05a1

<400> 9843

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aacaaatata acaccccgaa atatcgcttt gttgttcggt tcagcaacaa agacattgtt 180
gcacaaataa tatctgctag cattgctggc gatattgttc ttgctgcagc atatgcacat 240
gagctgccac gatatggtct tgaagtaggg cttacaaatt atgctgcagc ttattgtact 300
ggtctcctgt tggcccgaa agtcctcaaa acacttgaaa tggatgagga gtacgaagga 360
aatgttgagg ctactggaga ggactattca gtggaacctg ctgagagcag gaggccattc 420
cgtgctctct tgatgttggg cttattagga ctacaactgg caaccgtgtc tttggtgcc 480
ttaagggagc tctggatggn ggtttggata ttcttcataa tgaca 525
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<210> 9844

<211> 529
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106c06a1

 <400> 9844

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 aagatccttg tgtcacatag agctagttaa aatgtcagag ggaaatgcag ggaaaggaaa 120
 gagaatcgcc atcattggcg tctcaacctt attgttggtg gctatgggtg tggcggtcac 180
 aattggggtc aatctcaatg agaatgggtc caacaatgat atagaggaca acaagaaaaa 240
 tcatgttgct tcttcataa aagccgtcca aacccttgt catcccaca attatgagaa 300
 agaatgcgag gaaagcctta tagctggggc tggaaatacc acagatccaa aagaactcgt 360
 caaaattttc ttcaacatca ccattacaaa aattggtgat aaactcaaag aaactaatat 420
 tttgcatgag attgaggagg aaccagagc caagatggca cttgacactt gcangcaact 480
 catggatctt tctattgggg aaattacaag gtcacttgat ggaataatg 529

<210> 9845
 <211> 459
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220106c07a1

 <400> 9845

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 gctggagggg agaagttgtc ttcggccgca gtcgtggttg ctaggaacca gccaaccacc 120
 aaacgggggc tctatgactc tcacactctg ctaccgagct acctgtcttt cccaactccc 180
 aagtcattaa agcctcgaa cgggggcagg aagagctgtc caaatgccac gcgctcaagg 240
 cgccgcagtg cgcttctccc tccgcccgt tccacggcct ctgctacgtc gtcggcgaca 300
 atatcgacac cgaccagatc attcccgcg agtagcgcac cctcgtgcct tccaagcccg 360
 acgagtacga gaagctcggc tctacgcc tcagaggcct ccccgccacc tacgccacgc 420
 gtttcatcga acccggcgag atcaaaaacca agtgcgcca 459

<210> 9846
 <211> 213
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220106c08a1

 <400> 9846

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 aatgctggtg ctgcttttca agtcatcatc cttcgctcta accatggtgc tctatctctt 120
 tcacgcagcc agccactcac tgactaacac ttaaacagag tcgcagtcac ggttggttgg 180
 actttttaca acataagaag gtccgcttta agg 213

<210> 9847
 <211> 557
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106c09a1

 <400> 9847

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 acttggtgag agccgccctt agtttggtta ccaacacttt tctttttctg tctctcgaa 120
 tccaaatagg gggtacgatt cgcttggtg gcctaaaaaa gaaaggggcc cggacatcgc 180
 ctttttttaa tttcccaacc ctccgagttt tcaactttccc taagccgcat tgaataatta 240
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 gctttgaccg tattaacaac tcgctgactg agtgggttct acctgaacc agtcctgctc 480
 attcacgcgc gccacttgcc atacacctgg aaccggtaca gacggtcctt tccttgagac 540
 gccaccgagt tcaccac 557

<210> 9848
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106c09d1

<400> 9848

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agagaataca catgtcacca ggtgggaatg taccatcatc accaacacca aggaaaaaac 180
attcattctt cttccagaat gccaatcccc tctgagaggc acatgttcct tcaaacagga 240
aatggatctg gtgattctgg acttgtgctt tcaactgatg ctaagcctat attaaaatgg 300
acaccatatc ttcatgccat gtttatagaa gcagtcaacc agttaggggg agctgacaag 360
gcaactccaa aaacagttat gaaactca 388

<210> 9849

<211> 423

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106c10d1

<400> 9849

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gtgggtgccc ttttgcaaaa agcacaatat tgatccatgt gcccagtggt tttattctgc 120
ccagaagatt gattacttaa tggacaagat tcagccctcg tttgtaaatg agcgacgggc 180
aatgaagaga gaatatgaag aattcaaagt acggatcaat gcccttgtag ccaaagctca 240
gaagatgcca gaggaagggt ggacaatgca ggatggaact ccttggcctg gaaataatcc 300
tagggatcat ccgggaatga ttcaagtgtt ttaggtcat agaggggggc tggatacaga 360
tggaatgag ctgcctagac ttgtttatgt ttctcgtgag aagcgaccag gcttccaaca 420
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<210> 9850

<211> 436

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106c11a1

<400> 9850

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 tcattccaaa aacagtcgaa tagacgatga gaatctgggt ctggaaagaa ccaacgatgt 180
 gaccacagat ccgttctatg gattgaggac cgcgactatg tccccacta agtttgatgg 240
 aactgctctt gctccaagag ataatgagg ctttctagtt caacggaata ttacgtgtgt 300
 aaagggtgag gcaccatatt cttatgatcg catagggtggg tttattcatc tgccgagccg 360
 tccgagcatc attgcagatg gggttcttgg ccaaaaattg agggatgtgt gtgctcccaa 420
 aaatgttgag gattgg 436

<210> 9851
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106c11d1
 <400> 9851

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 ctgggtgggt ctttaaatac cacacactcc tgcacaagga ccccgaccgc tttctgtgcc 120
 cgaatttatg agagccctac aggtccctat tgggtgcccg cactgacatc atccacgatc 180
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 aaaactagct ttggatcgcc ggccaaggtc tgtacaccct ccattgcctg tactagcagc 300
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<210> 9852
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106c12a1
 <400> 9852

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gttgaaaggg ctgctgttga agcgaagaag ccaaagtatg ttgaagcagg ggatgtggat 240
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 gattcctcat cgtctaataa ttcggattca gggagttcct agggagtgat tctgtagcag 420
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<210> 9853
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106c12d1

<400> 9853

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 tttcactctc ctttctggcc gccaaatcag cttgatgatt aatttggttt ccgaaatcat 180
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 acatgatcat gtttgatcat tagtcacaaa cccctgact gttatgattg cccgttgtct 420
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 ct 482

<210> 9854
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106d01a1

<400> 9854

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 tttgactca cgcacgatgg caggttgctt gcaaccgcca gctccaaggg cacactcatt 180

aggctcttca ataccctcga cggttcactg ctccaagagg tacggagggg tgcagacaga 240
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aaggggaccg ttcatgtctt caacctcaag gttgattccg gactgttggg gcatgataga 360
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<210> 9855
<211> 439
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220106d01d1
<400> 9855

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gatacacagc agcaagggca gtcaccaatga aagggtccaac ccagaaaatc cattgggtcat 240
cccatgcatg gtctctgttg tagatgatgg cagctccgag actcctagct gggttaatgc 300
cagttcctgt gatgggaatg gtagccaagt ggaccaagaa cacagcaaat ccgatgggaa 360
gtggagccaa aataggaacg tgtgagtctc tagcgtttct cttggcatca gtggcagaga 420
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<210> 9856
<211> 524
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220106d02a1
<400> 9856

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gttggcaaaa gctgtattgt tctacgattt gttcgtgggc agtttgatcc aacatctaag 180
gtaactgttg gagcttcttt tttgtcacia acaatagctc tgcaagactc tacaacagtc 240
aagtttgaaa tatgggatac tgctgggtcaa gagaggtagc ctgcgtagc accactctat 300

taccgtggtg cagcagttgc agttattggt tatgatataa caagcccaga atctttcagc 360
 aaagcacagt actgggttaa ggagctacaa aaacatggaa gccctgatat agtgatggca 420
 ctggctggta ataaagctga tcttctcgag aagcgggaag ttgctgtcca ggatggcact 480
 gactatgcag agaagaatga tatgtttttc atagagacat ctgc 524

<210> 9857
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106d02d1
 <400> 9857

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 cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatctc ttcttgcccc 180
 tcaccagact cagcaccac ttcttcataa tccttctcaa gggctgcaag gtcctcacgg 240
 gcttcagaaa attcaccttc ttccataccc tcaccacgt accagtggac aaaagcacgc 300
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 atg 483

<210> 9858
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106d03a1
 <400> 9858

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 cctccgacac ccatcgataa cgtgaaagct aagattcaag acaaggaagg gatcccacct 180
 gaccagcaga gacttatctt tgccgggtaaa cagcttgagg atggtcgaac ccttgccgac 240

tacaacatcc aaaaggaatc cactctccac ctctgtcttc gcctcagggg tggcatgcaa 300
atctttgtca agactttgac tggcaagacc atcacctctg aggtcgaatc ctcggaacacc 360
attgataatg tcaaggccaa gatccaggac aaggagggtg tccctccaga tcagcagagg 420
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<210> 9859
<211> 492
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220106d03d1
<400> 9859

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agttcaaggg agacactgaa caaacagata agacatatga gaacacttca taaaagggat 180
tccccttagc aaccaccacg aaggcgaagg acaagatgca aagtggattc cttctgaata 240
ttgtaatctg ccaaggtagc accatcttcc aattgcttcc cagcaaaaat gagcctctgc 300
tgatctggag ggataccttc cttgtcctga atcttagctt tcacattgtc aatagtatca 360
gagctttcca cctccaaggt aatggctctc cctgtcagag tcttcacaaa tatctgcata 420
cctccacgaa gcctcaacac caaatgcaga gtggactcct tctggatatt ataatcagca 480
agagtacgac ca 492

<210> 9860
<211> 538
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220106d04a1
<400> 9860

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gtacaactca aaagtcatga ttctatttgg tttgctcaac caacaaatta ttccgagaat 180
atacaagaag ataaaaaaat acgagattgt atcaaaaatt atatacaaaa aaatataaga 240

atatacctctg gtgttgaggg aattggacag ataaagattc aaaaaagaat tgatcttatt 300
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 cgaagaatta cagacgaata tgcaaaaaaa actgaattgt gtgaatcgaa aactaaacat 420
 tgctattgta aaagttgcaa atgcttataa acaccctaatt attattgcag aatttatagc 480
 tggacaatta aagatagagt ttcgtttcgt aagcaatgaa aaagctattg attaactg 538

<210> 9861
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106d05a1

<400> 9861

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 gctatgggta tgctagctcc cctggcaaga gatcttcaat ggaagatttt tatgagacaa 180
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 gtgctcgtgc tgctgagtat gtcaagcaaa acctatttag caatttgatc agtcattcaa 300
 aattcatttc tgacaccaaa tctgcaatag ctgatgcata taaccatacc gactctgaat 360
 ttctgaaatc tgaaaataat caaaacagag atgctggatc aactgcttcc actgccattc 420
 ttgttggcga cccgttgctt gttgcaaatg ttgnggactc cagagctgtt atatgcaggg 480
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<210> 9862
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106d06a1

<400> 9862

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 aagtggcatc tgtcaacctt tgctctaata tctctgggtc aattcttgct agcttagtca 180

tgagtcctcc taaggttgga gatgagtcct atgagtcatt caatgctgag aaggagaata 240
 ttttgagatc ccttgctagg cgtgcccaaga cactagaaga tgcattcaac aaatttagagg 300
 gtgtaacatg caacaaagca gaaggggcaa tgtatctgtt cccccaatt cgctgtccc 360
 aaaaggctat caaagctgca ggagatgcaa atacagcacc tgataatttc tattgcaaac 420
 gcttgcttaa cgcaaggag tagttgttg tcttggttct gggtttggac aggttcctgg 480
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<210> 9863
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106d07a1
 <400> 9863

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 atccaaggga gaaaggccca tggcatggga gggaggggaa gagagtctt cgcggtgttt 180
 atgaattgaa aaaaaatta gaggatttca ccatctttt ctcaccgtgt tcttcatttg 240
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 cttaatttat ggatttgga tcttctggcg attcggtgaa atgttgcaag cactgtgaat 360
 gcgggtgtag agaatgctcc atggcagctc aatcttcatg gaattggctc cggctgtgta 420
 aaaggaagca caggcagctg gaacaaggcg ggcaattctc tgggcccggc ccgattgca 480
 tcccgtgtag catgtcgaga ttggaatgaa t 511

<210> 9864
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106d08a1
 <400> 9864

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ttactaatcc agctgccaag ctactagag ccttccaaac cgtgttgag tcattatgca 180
aactcaacca gcacaatatg ccgagaacac tcatgacgac gcctacatac aagatctctg 240
ctacgacttt gttcacaata ggcacacagt ccacatcggt gccgacgaat acctaccct 300
cagacactta caagcacagc tgagtaccag aagctcggct tctacgccct gataggactg 360
gccgccacct ac 372

<210> 9865
<211> 445
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106d09d1

<400> 9865

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tcattaatga ccagtctgct caagcgtccc ctggtttctg caaggtcaat gtccttact 360
agattagccg ctccactaac tgtgcatgca tcatgttctg aacaagccat ggacagattt 420
gctcatttct gcagcgagat actga 445

<210> 9866
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106d10a1

<400> 9866

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atgttgaatg aggatgaact gagagatgca gtattgcttg tgtttgcaa caaacaagat 180
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cagcgccact ggttcattca gagcacctgt gcaacctctg gggagggcct ttacgaaagt 300

ctggactggc tttccaacaa cattgccaat aaagcttaat gcctttggga gtcttgcgga 360

ttggtaattc tggatgcaag ggtgaacatt atctagcttt tatttcttgg tcctcttcca 420

agacaactcg aatttgtgct catgtaatgc ggtttaagac atctcgaatt tgtgctcatg 480

<210> 9867

<211> 604

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220106d10d1

<400> 9867

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ctcgtctgga gacgccttg ggaatgggtg aggttggtcc tttttctgt ctgaggagaa 120

aattgaataa aaagctatga aattttggca catggtctga ttgttgaatt gaagaagatg 180

actggggggg gtattactat gcaatcgacg ccgggatagc taagatactt ggatttgtat 240

ccagagcgga agatgtcctt tttcaaaaat ccttacattc tcggactggc tgctgtcgcc 300

ggcatcggtg gtctcctctt cggctacgac actggtgtga tatcaggggc ttttttatac 360

attatggatg attttgagga ggtagaaaac agctatcttc tccaggaaac aatagtcagc 420

atggctattg ccggggcaat cgtgggagca gcattgggtg gttggattta atgatgccta 480

tggtcgaaag atagccaccc tctttgccga tggtatcttt accgccggag cattatcatg 540

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ggca 604

<210> 9868

<211> 524

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220106d11a1

<400> 9868

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 gggtcatctc ttcaactcct ggtcaaattt gcaggagtag ccaaccatgg aacaaagtca 180
 acaatgtcct cacaaaatca aacacaaatg agaggaatgt tcctaggagc atacttcatg 240
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 ctatctcaac tgagaagcaa ctaaagtcac tagattctta ttttgaaaa ctccaagata 420
 atgcaaattt gcgtacattt gattcatcac caaagtata cagttgcac acatanatcg 480
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<210> 9869
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106d11d1
 <400> 9869

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 aatgcatcga tgactgtttc ccccttttt tacaagacac gtctttgtag ggcagtagcg 360
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<210> 9870
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106d12a1
 <400> 9870

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<210> 9871
 <211> 348
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106d12d1
 <400> 9871

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 cccatagcgg acctcttagt ttatctgttc acacttttca atgagaacca atagcccaag 240
 ccttcttcg agagtaaact cgagcttgcc taccctgacg agaggagggg tgacactgat 300
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<210> 9872
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106e01a1
 <400> 9872

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 cctggagcgt gtcttcagca gatatggaag agttcgaggc gtagatatga agaattgattt 180
 cgcctttgtt gaatttagtg atcctcgaga tgctgatgat gctagatata acctggatgg 240